Regional NIAGARA

1983 CAPITAL BUDGET & 4 YEAR FORECAST

THE REGIONAL MUNICIPALITY OF NIAGARA

THE REGIONAL MUNICIPALITY OF NIAGARA

1983-1987 CAPITAL BUDGET FORECAST

1983 CAPITAL BUDGET AND
FOUR YEAR FORECAST

TO: The Chairman and Members of Regional Council

FROM: J. T. Morgan, Chairman of Regional Finance Committee

REFERENCE: 1983 Capital Budget and Four Year Forecast

RECOMMENDATIONS:

The Finance Committee recommends to Council that:

1) The 1983 Capital Budget and Four Year Forecast be adopted as presented.

2) The Ontario Municipal Board be requested to approve a Capital Expenditures Quota of $3,735,100 for 1983.

3) The Region make application to the Ontario Municipal Board for a Bulk Order approval for the balance of the 1983 capital expenditures quota in the amount of $735,100.

REPORT:

The 1983 Capital Budget and Forecast to 1987 requires a gross spending program of $62,581,500 and debenture requirements of $17,357,550.

In the area of General Government Capital Expenditures, the 1983 debenture requirements include a final allocation of $417,000 for the Police Administration Building Addition, $618,000 for Roadways projects and $760,000 for the Region's computer system. All General Government debentures are proposed for a five-year term with the resulting annual debt charges to be financed from the general levy.

The 1983 debenture proposed for sewage works and waterworks amounts to approximately $1,000,000 for each program. A funding source of $1,000,000 from each of the capital levy sewage works and waterworks reserve funds has also been included in the 1983 budget to help take the financing of the Region's sewer and water systems into a "pay as you go" program. This program will be achieved in the year 1987 where all water and sewer capital projects are proposed to be financed from the capital levy reserve funds. These debentures are proposed to be issued over a ten year term with the resulting debt charge being met through sewage flow rates and water flow rates established by the respective sewage rate and water rate by-laws.

The capital budget requirements for the next five years are generally within the guidelines approved by Regional Council. However, the guidelines have been exceeded in the 1984 sewage works budget to accelerate the provision of secondary treatment at the Niagara Falls Sewage Treatment Plant and in the 1986 Police forecast to accommodate a Quartermasters Stores to be constructed in conjunction with a proposed addition to the Public Works Thorold Patrol Yard.

Total debenture approval proposed for 1983 which amounts to $3,735,100 is well within the total debt capacity of the Region. Earlier in the year the Region received O.M.B. bulk order approval of $3,000,000 which was committed against the Region's 1983 interim capital expenditures quota of the same amount. It is recommended that an application be made to the Ontario Municipal Board for O.M.B. bulk order approval for the balance of $735,100.

I would like to thank all those involved in the preparation and planning of this five year capital program.

J. T. Morgan, Chairman
Regional Finance Committee

THE REGIONAL MUNICIPALITY OF NIAGARA

1983-1987 CAPITAL BUDGET FORECAST

1983 CAPITAL BUDGET & FOUR YEAR FORECAST
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REGIONAL CORPORATION

THE REGIONAL MUNICIPALITY OF NIAGARA

1983-1987 CAPITAL BUDGET FORECAST

PROJECTED DEBT CHARGE SUMMARY (000's)
REGIONAL CORPORATION

Projected Debt Charges

By Function	1983	1984	1985	1986	1987
General	3,770	4,526	4,586	4,726	4,198
Sewage Works	7,036	7,555	7,769	8,124	8,286
Waterworks	5,324	5,877	6,008	6,275	6,456
TOTAL Debt Charges	16,130	17,958	18,363	19,125	18,940

1. All new debt has been assumed to be issued at an interest rate of 14% (Rate applied by O.M.B. in calculation of the debt capacity of a municipality).

2. All new Roads debt has been assumed to be issued for a term of 5 years; all new sewage debt and waterworks debt for a term of 10 years; Regional Buildings new debt for a term of 5 years and 10 years depending on the proposed debenture amount.

THE REGIONAL MUNICIPALITY OF NIAGARA

1983-1987 CAPITAL BUDGET FORECAST

PROJECTED TAX SUPPORTED DEBT CHARGES ($000's)
REGIONAL CORPORATION

Debt Charges Resulting From:	1983	1984	1985	1986	1987
Existing Debt	$3,770	$3,239	$2,729	$2,516	$1,578
Unfunded	-	1,066	1,334	1,334	1,334
1983 Capital Budget	-	221	523	523	523
1984-87 Capital Forecast	-	-	-	353	763
Total Debt Charges	$3,770	$4,526	$4,586	$4,726	$4,198

4514B(4)

THE REGIONAL MUNICIPALITY OF NIAGARA
1983-1987 CAPITAL BUDGET FORECAST

PROJECTED DEBT CHARGES FOR SEWAGE PROJECTS ($000's)
REGIONAL CORPORATION

	1983	1984	1985	1986	1987
Debt Charges Resulting From:					
Existing Debt	$3,594	$3,264	$3,247	$3,183	$3,113
Unfunded	-	450	451	451	451
M.O.E. Flow Payments (1)	3,442	3,841	3,880	3,918	3,958
1983 Capital Budget			191	191	191
1984-87 Capital Forecast				381	573
Total Debt Charges	$7,036	$7,555	$7,769	$8,124	$8,286

(1) Rate and flows based on approved Sewer and Water Study Report dated December 7, 1982.

PROJECTED DEBT CHARGES FOR WATERWORKS PROJECTS ($000's)
REGIONAL CORPORATION

	1983	1984	1985	1986	1987
Debt Charges Resulting From:					
Existing Debt	$3,569	$3,413	$3,364	$3,342	$3,332
Unfunded		709	709	709	709
M.O.E. Flow Payments (1)	1,755	1,755	1,755	1,755	1,755
1983 Capital Budget			180	181	181
1984-87 Capital Forecast				288	479
Total Debt Charges	$5,324	$5,877	$6,008	$6,275	$6,456

(1) Rate and flows based on approved Sewer and Water Study Report dated December 7, 1982.

4514R(6)

THE REGIONAL MUNICIPALITY OF NIAGARA

1983-1987 CAPITAL BUDGET FORECAST

PROJECTION OF 1983-1987 DEBT RETIREMENT (000's)
REGIONAL CORPORATION

	1983	1984	1985	1986	1987
General	$2,172	$2,436	$2,537	$2,852	$2,464
Sewage Works	1,985	1,941	2,152	2,400	2,609
Waterworks	1,327	1,488	1,685	1,966	2,268
TOTAL	$5,484	$5,865	$6,374	$7,218	$7,341

THE REGIONAL MUNICIPALITY OF NIAGARA

1983-1987 CAPITAL BUDGET FORECAST

EXISTING AND PROJECTED DEBENTURE DEBT
OF THE REGIONAL CORPORATION (000's)

Service Area	Debt as at Dec. 31, 1982	Unfunded Debt	Total	1983 Debt Retirement	1983 Program	Projected Debt at Dec. 31, 1983
General	-	-	-	-	$ 760	$ 760
Roads	$7,200	$1,320	8,520	$1,588	618	7,550
Regional Municipal Building	3,000	1,600	4,600	189	-	4,411
Homes for the Aged	1,053	-	1,053	181	-	872
Children's Aid	328	-	328	11	-	317
Hospitals	109	-	109	31	-	78
Police	1,281	2,480	3,761	172	417	4,006
	12,971	5,400	18,371	2,172	1,795	17,994
Sewage Works	18,943	2,350	21,293	1,681	997	20,609
Ministry of the Environment - Sewage Works	31,742	-	31,742	304 1/ 1,300	- -	- 30,138
	50,685	2,350	53,035	3,285	997	50,747
Waterworks	17,866	3,700	21,566	1,122	943	21,387
Ministry of the Environment - Waterworks	16,474	-	16,474	205	-	16,269
	34,340	3,700	38,040	1,327	943	37,656
TOTAL	$97,996	$11,450	$109,446	$ 6,784	$ 3,735	$106,397

1/M.O.E. credit re sewage oversizing.

SECTION I

SUMMARY

THE REGIONAL MUNICIPALITY OF NIAGARA

1983-1987 CAPITAL BUDGET FORECAST

SUMMARY OF PROPOSED CAPITAL EXPENDITURES AND FINANCING 1983-1987

Expenditures	1983	1984	1985	1986	1987
General (Data Processing)	$ 760,000	$ -	$ -	$ -	$ -
Regional Buildings:- Public Works	-	-	-	450,000	470,000
Police	417,000	-	-	450,000	-
Homes for Aged	339,000	1,386,500	2,399,000	2,500,000	500,000
Roads	4,250,000	4,785,000	4,970,000	5,570,000	5,800,000
Sewage System	6,052,000	3,190,000	2,000,000	2,090,000	2,000,000
Water System	2,003,000	2,700,000	2,500,000	2,500,000	2,500,000
Total Proposed Expenditures	$13,821,000	$12,061,500	$11,869,000	$13,560,000	$11,270,000
Source of Financing					
Grants	$ 6,694,700	$ 3,758,750	$ 4,032,100	$ 4,363,200	$ 3,488,700
Current Revenue	1,173,000	1,400,000	1,587,400	1,846,800	2,231,100
Reserves	2,055,000	2,200,000	2,500,000	3,000,000	4,500,000
Debentures - Prior Approval	103,200	-	-	30,000	-
- 1983 to 1986	3,735,100	4,702,750	3,749,500	4,210,000	960,200
Other	60,000	-	-	110,000	90,000
Total Proposed Financing	$13,821,000	$12,061,500	$11,869,000	$13,560,000	$11,270,000

SECTION 2

GENERAL - DATA PROCESSING

THE REGIONAL MUNICIPALITY OF NIAGARA

1983 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Finance
PROGRAM: Data Processing

PROJECT YEAR: 1983

PROJECT NUMBER	DESCRIPTION & LOCATION	GROSS EXPENDITURE	REVENUE			DEBENTURES	PRIOR APPROVALS	O. M. B. APPROVAL REQUIRED
			TAX LEVY OR USER CHARGE	SUBSIDY & CONTRIBUTIONS				
				AMOUNT	SOURCE			
F83-1	Upgrading of Data Processing System	760,000				760,000		760,000

THE REGIONAL MUNICIPALITY OF NIAGARA

1983 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Finance
PROGRAM: Data Processing

PROJECT DETAIL SHEET

PROJECT NO: F83-1

PROJECT LOCATION & DESCRIPTION

PROPOSED START DATE: _____

PROPOSED COMPLETION DATE: _____

LOCATION PLAN

CAPITAL COST

LAND, BLDGS. & MAJOR IMPROVEMENTS	$ _____
FURNITURE & EQUIPMENT	760,000
CONSTRUCTION SERVICES:	
CONTRACTOR	_____
REGIONAL	_____
ENGINEERING	_____
TEMPORARY FINANCING	_____
CONTINGENCY	_____
1983 COSTS	$760,000
PRIOR/SUBSEQUENT YEAR COSTS:	
YEAR _____	_____
YEAR _____	_____
TOTAL PROJECT COSTS	$760,000

FINANCING

TAX LEVY OR USER CHARGE		$ _____
SUBSIDY & CONTRIBUTIONS:		
_____		_____
_____		_____
_____		_____
_____		_____
DEBENTURES:		
PRIOR YEARS	_____	
1983	760,000	760,000
1983 FINANCING		$ 760,000
PRIOR/SUBSEQUENT YEARS' FINANCING:		
YEAR _____		_____
YEAR _____		_____
TOTAL PROJECT FINANCING		$ 760,000

NEED FOR THE PROJECT

IMPACT ON OPERATING COSTS

NEW STAFF:

No. _____ $ _____

OTHER COSTS _____

TOTAL $ _____

SECTION 3

BOARD OF COMMISSIONERS OF POLICE

THE REGIONAL MUNICIPALITY OF NIAGARA

1983 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Regional Police
PROGRAM: Administration Bldg.

PROJECT YEAR: 1983

PROJECT NUMBER	DESCRIPTION & LOCATION	GROSS EXPENDITURE	REVENUE			DEBENTURES	PRIOR APPROVALS	O. M. B. APPROVAL REQUIRED
			TAX LEVY OR USER CHARGE	SUBSIDY & CONTRIBUTIONS				
				AMOUNT	SOURCE			
RB 81-3	Addition to Police Administration Building	417,000				417,000		417,000

THE REGIONAL MUNICIPALITY OF NIAGARA

1983 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Regional Police
PROGRAM: Administration Bldg.

PROJECT DETAIL SHEET

PROJECT NO: RB81-3

PROJECT LOCATION & DESCRIPTION

Addition to Police Administration Building including renovations, St. Catharines

PROPOSED START DATE: October 1983

PROPOSED COMPLETION DATE: August 1984

LOCATION PLAN

CAPITAL COST

LAND, BLDGS. & MAJOR IMPROVEMENTS	$
FURNITURE & EQUIPMENT	
CONSTRUCTION SERVICES:	
CONTRACTOR	
REGIONAL	
ENGINEERING	
TEMPORARY FINANCING	
CONTINGENCY	
1983 COSTS	$ 417,000
PRIOR/SUBSEQUENT YEAR COSTS:	
YEAR 1981	80,000
YEAR 1982	2,593,000
TOTAL PROJECT COSTS	$3,090,000

FINANCING

TAX LEVY OR USER CHARGE		$
SUBSIDY & CONTRIBUTIONS:		
DEBENTURES:		
PRIOR YEARS		
1983		417,000
1983 FINANCING		$ 417,000
PRIOR/SUBSEQUENT YEARS' FINANCING:		
YEAR 1981		80,000
YEAR 1982		2,593,000
TOTAL PROJECT FINANCING		$3,090,000

NEED FOR THE PROJECT

IMPACT ON OPERATING COSTS

NEW STAFF:

No. _____ $

OTHER COSTS

TOTAL $

Budget (Capital) 1983-2-A11

THE REGIONAL MUNICIPALITY OF NIAGARA

1983 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara

DEPARTMENT: Regional Police

PROGRAM: Stores Building

PROJECT YEAR: 1986

PROJECT NUMBER	DESCRIPTION & LOCATION	GROSS EXPENDITURE	REVENUE			DEBENTURES	PRIOR APPROVALS	O. M. B. APPROVAL REQUIRED
			TAX LEVY OR USER CHARGE	SUBSIDY & CONTRIBUTIONS				
				AMOUNT	SOURCE			
RB 86-1	Police Quartermaster Stores *	450,000				450,000		450,000
	* In conjunction with P.W. Thorold Yard Bldg.							

SECTION 4

HOMES FOR THE AGED

THE REGIONAL MUNICIPALITY OF NIAGARA

1983 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Senior Citizens
PROGRAM: Homes For The Aged

PROJECT YEAR: 1983

PROJECT NUMBER	DESCRIPTION & LOCATION	GROSS EXPENDITURE	REVENUE			DEBENTURES	PRIOR APPROVALS	O. M. B. APPROVAL REQUIRED
			TAX LEVY OR USER CHARGE	SUBSIDY & CONTRIBUTIONS				
				AMOUNT	SOURCE			
	LINHAVEN							
HA83-1	Roof repairs and replacement.	92,000	46,000	46,000	M.C.S.S.			
HA83-2	Resident area renovations-Architectural study.	20,000	10,000	10,000	M.C.S.S.			
	SUNSET HAVEN							
HA83-3	Upgrading and connecting two water lines to improve boosting capabilities in case of fire.	20,000	10,000	10,000	M.C.S.S.			
HA83-4	Revamp heating system in semi and intensive areas.	30,000	15,000	15,000	M.C.S.S.			
HA83-5	Roof repairs and replacement.	157,000	78,500	78,500	M.C.S.S.			
HA83-6	Resident area renovations-Architectural study.	20,000	10,000	10,000	M.C.S.S.			
	TOTAL	339,000	169,500	169,500				

THE REGIONAL MUNICIPALITY OF NIAGARA

1983 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Senior Citizens
PROGRAM: Linhaven

PROJECT DETAIL SHEET
PROJECT NO: HA83-1

PROJECT LOCATION & DESCRIPTION

LINHAVEN
- Roof repairs and replacement

PROPOSED START DATE:
PROPOSED COMPLETION DATE:

LOCATION PLAN

CAPITAL COST

LAND, BLDGS. & MAJOR IMPROVEMENTS	$
FURNITURE & EQUIPMENT	
CONSTRUCTION SERVICES:	
CONTRACTOR	92,000
REGIONAL	
ENGINEERING	
TEMPORARY FINANCING	
CONTINGENCY	
1983 COSTS	$92,000
PRIOR/SUBSEQUENT YEAR COSTS:	
YEAR 1984	70,000
YEAR 1985	53,000
TOTAL PROJECT COSTS	$215,000

FINANCING

TAX LEVY OR USER CHARGE	$46,000
SUBSIDY & CONTRIBUTIONS:	
M.C.S.S.	46,000
DEBENTURES:	
PRIOR YEARS	
198_	
1983 FINANCING	$92,000
PRIOR/SUBSEQUENT YEARS' FINANCING:	
YEAR 1984	70,000
YEAR 1985	53,000
TOTAL PROJECT FINANCING	$215,000

NEED FOR THE PROJECT

- The roof on "E" wing experiencing severe blistering, and according to consultants Peto MacCallum in 1980 and Fishburn thermography in 1982, severe leaks in many areas may occur if these blisters tear or rupture during normal weathering.
- Fishburn recommend that Lo-slope asphalt shingles be installed over existing roof.
- Skylights to be replaced in those areas being resurfaced.

IMPACT ON OPERATING COSTS

NEW STAFF:
No. $
OTHER COSTS
TOTAL $

THE REGIONAL MUNICIPALITY OF NIAGARA

1983 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Senior Citizens
PROGRAM: Linhaven

PROJECT DETAIL SHEET
PROJECT NO: HA83-2

PROJECT LOCATION & DESCRIPTION

LINHAVEN

- Resident area renovations - Architectural Study

PROPOSED START DATE:

PROPOSED COMPLETION DATE:

LOCATION PLAN

CAPITAL COST

LAND, BLDGS. & MAJOR IMPROVEMENTS	$
FURNITURE & EQUIPMENT	
CONSTRUCTION SERVICES:	
CONTRACTOR	
REGIONAL	
ENGINEERING	20,000
TEMPORARY FINANCING	
CONTINGENCY	
1983 COSTS	$ 20,000
PRIOR/SUBSEQUENT YEAR COSTS:	
YEAR 1984	1,183,000
YEAR 1985	1,225,000
TOTAL PROJECT COSTS	$2,428,000

FINANCING

TAX LEVY OR USER CHARGE	$ 10,000
SUBSIDY & CONTRIBUTIONS:	
M.C.S.S.	10,000
DEBENTURES:	
PRIOR YEARS	
198_	
1983 FINANCING	$ 20,000
PRIOR/SUBSEQUENT YEARS' FINANCING:	
YEAR 1984	1,183,000
YEAR 1985	1,225,000
TOTAL PROJECT FINANCING	$2,428,000

NEED FOR THE PROJECT

- updating and renovating facilities to comply with current standards per proposed architectural study; to include bedroom, bathroom, sitting and other service areas (facilities over 25 years old).
- refloor all areas.
- replace windows to reduce draft, reduce maintenance costs and heating expenses.
- convert unit activity rooms.
- construct bed care balcony.

IMPACT ON OPERATING COSTS

NEW STAFF:
No. $
OTHER COSTS
TOTAL $

THE REGIONAL MUNICIPALITY OF NIAGARA

1983 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Senior Citizens
PROGRAM: Sunset Haven

PROJECT DETAIL SHEET

PROJECT NO: HA83-3

PROJECT LOCATION & DESCRIPTION

SUNSET HAVEN

- Upgrading and connecting two water lines to improve boosting capabilities in case of fire.

PROPOSED START DATE:

PROPOSED COMPLETION DATE:

LOCATION PLAN

CAPITAL COST

LAND, BLDGS. & MAJOR IMPROVEMENTS	$
FURNITURE & EQUIPMENT	
CONSTRUCTION SERVICES:	
CONTRACTOR	20,000
REGIONAL	
ENGINEERING	
TEMPORARY FINANCING	
CONTINGENCY	
1983 COSTS	$20,000
PRIOR/SUBSEQUENT YEAR COSTS:	
YEAR	
YEAR	
TOTAL PROJECT COSTS	$20,000

FINANCING

TAX LEVY OR USER CHARGE	$10,000
SUBSIDY & CONTRIBUTIONS:	
M.C.S.S.	10,000
DEBENTURES:	
PRIOR YEARS	
198	
1983 FINANCING	$20,000
PRIOR/SUBSEQUENT YEARS' FINANCING:	
YEAR	
YEAR	
TOTAL PROJECT FINANCING	$20,000

NEED FOR THE PROJECT

- present water boosting station to which a pumper truck would be connected only provides boosting of water pressure for fire hoses to approximately one-half of building, since it is only on one incoming water line. No boosting capabilities for second incoming water line which services second half of building. Therefore should connect both lines.
- recommended by City of Welland Fire Inspector and Sunset Haven Maintenance Supervisor.

IMPACT ON OPERATING COSTS

NEW STAFF:

No. $

OTHER COSTS

TOTAL $

THE REGIONAL MUNICIPALITY OF NIAGARA

1983 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Senior Citizens
PROGRAM: Sunset Haven

PROJECT DETAIL SHEET
PROJECT NO: HA83-4

PROJECT LOCATION & DESCRIPTION

SUNSET HAVEN

- Revamp heating system in semi and intensive areas.

PROPOSED START DATE:
PROPOSED COMPLETION DATE:

LOCATION PLAN

CAPITAL COST

LAND, BLDGS. & MAJOR IMPROVEMENTS	$
FURNITURE & EQUIPMENT	
CONSTRUCTION SERVICES:	
CONTRACTOR	30,000
REGIONAL	
ENGINEERING	
TEMPORARY FINANCING	
CONTINGENCY	
1983 COSTS	$ 30,000
PRIOR/SUBSEQUENT YEAR COSTS:	
YEAR	
YEAR	
TOTAL PROJECT COSTS	$ 30,000

FINANCING

TAX LEVY OR USER CHARGE	$ 15,000
SUBSIDY & CONTRIBUTIONS:	
M.C.S.S.	15,000
DEBENTURES:	
PRIOR YEARS	
198_	
1983 FINANCING	$ 30,000
PRIOR/SUBSEQUENT YEARS' FINANCING:	
YEAR	
YEAR	
TOTAL PROJECT FINANCING	$ 30,000

NEED FOR THE PROJECT

- replace existing system which is unreliable and has a high probability of failure.
- new system will provide the reliability, and reduce maintenance and heating costs.

IMPACT ON OPERATING COSTS

NEW STAFF:
No. _____ $
OTHER COSTS
TOTAL $

THE REGIONAL MUNICIPALITY OF NIAGARA

1983 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Senior Citizens
PROGRAM: Sunset Haven

PROJECT DETAIL SHEET
PROJECT NO: HA83-5

PROJECT LOCATION & DESCRIPTION

SUNSET HAVEN

- Roof repairs and replacement

PROPOSED START DATE: _____

PROPOSED COMPLETION DATE: _____

LOCATION PLAN

CAPITAL COST

LAND, BLDGS. & MAJOR IMPROVEMENTS	$ _____
FURNITURE & EQUIPMENT	_____
CONSTRUCTION SERVICES:	
CONTRACTOR	157,000
REGIONAL	_____
ENGINEERING	_____
TEMPORARY FINANCING	_____
CONTINGENCY	_____
1983 COSTS	$157,000
PRIOR/SUBSEQUENT YEAR COSTS:	
YEAR _____	_____
YEAR _____	_____
TOTAL PROJECT COSTS	$157,000

FINANCING

TAX LEVY OR USER CHARGE	$ 78,500
SUBSIDY & CONTRIBUTIONS:	
M.C.S.S.	78,500
_____	_____
_____	_____
_____	_____
DEBENTURES:	
PRIOR YEARS	_____
198_	_____
1983 FINANCING	$157,000
PRIOR/SUBSEQUENT YEARS' FINANCING:	
YEAR _____	_____
YEAR _____	_____
TOTAL PROJECT FINANCING	$157,000

NEED FOR THE PROJECT

- critical due to regular and major water leaking and water damage to inside of facility.
- this project is considered essential as per recommendations by our consultant Fisher Thermography Group Ltd.

IMPACT ON OPERATING COSTS

NEW STAFF:	
No. _____	$ _____
OTHER COSTS	_____
TOTAL	$ _____

THE REGIONAL MUNICIPALITY OF NIAGARA

1983 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Senior Citizens
PROGRAM: Sunset Haven

PROJECT DETAIL SHEET

PROJECT NO: HA83-6

PROJECT LOCATION & DESCRIPTION

SUNSET HAVEN

- Resident area renovations - Architectural study.

PROPOSED START DATE: _____

PROPOSED COMPLETION DATE: _____

LOCATION PLAN

CAPITAL COST

LAND, BLDGS. & MAJOR IMPROVEMENTS	$
FURNITURE & EQUIPMENT	
CONSTRUCTION SERVICES:	
CONTRACTOR	
REGIONAL	
ENGINEERING	20,000
TEMPORARY FINANCING	
CONTINGENCY	
1983 COSTS	$ 20,000
PRIOR/SUBSEQUENT YEAR COSTS:	
YEAR 1984	22,000
YEAR 1985	1,121,368
1986	1,486,793
TOTAL PROJECT COSTS	$2,650,161

FINANCING

TAX LEVY OR USER CHARGE	$ 10,000
SUBSIDY & CONTRIBUTIONS:	
M.C.S.S.	10,000
DEBENTURES:	
PRIOR YEARS	
198_	
1983 FINANCING	$ 20,000
PRIOR/SUBSEQUENT YEARS' FINANCING:	
YEAR 1984	22,000
YEAR 1985	1,121,368
1986	1,486,793
TOTAL PROJECT FINANCING	$2,650,161

NEED FOR THE PROJECT

- updating and renovating facilities to comply with current standards per proposed architectural study; which will include bedroom, bathroom, sitting and other service areas. Facilities over 25 years old.
- replace single glaze glass
- kitchen renovation/expansion
- privatize bedrooms, washrooms

IMPACT ON OPERATING COSTS

NEW STAFF:

No. _____ $ _____

OTHER COSTS _____

TOTAL $ _____

THE REGIONAL MUNICIPALITY OF NIAGARA

1983 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Senior Citizens
PROGRAM: Homes For The Aged
PROJECT YEAR: 1984

PROJECT NUMBER	DESCRIPTION & LOCATION	GROSS EXPENDITURE	REVENUE			DEBENTURES	PRIOR APPROVALS	O. M. B. APPROVAL REQUIRED
			TAX LEVY OR USER CHARGE	SUBSIDY & CONTRIBUTIONS				
				AMOUNT	SOURCE			
	LINHAVEN							
HA83-1	Roof repairs and replacement.	70,000	35,000	35,000	M.C.S.S.			
HA83-2	Resident area renovations.	1,183,000	98,250	591,500	M.C.S.S.	493,250		493,250
	SUNSET HAVEN							
HA83-6	Resident area renovations-Architectural study.	22,000	11,000	11,000	M.C.S.S.			
HA84-1	Reconstruction of West side parking lot and drainage system.	44,000	22,000	22,000	M.C.S.S.			
HA84-2	Driveway and curb reconstruction.	27,500	13,750	13,750	M.C.S.S.			
HA84-3	Insulation over ceiling.	30,000	15,000	15,000	M.C.S.S.			
	NORTHLAND MANOR							
HA84-4	Storage garage.	10,000	5,000	5,000	M.C.S.S.			
	TOTAL	1,386,500	200,000	693,250		493,250		493,250

THE REGIONAL MUNICIPALITY OF NIAGARA

1983 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Senior Citizens
PROGRAM: Homes For The Aged
PROJECT YEAR: 1985

PROJECT NUMBER	DESCRIPTION & LOCATION	GROSS EXPENDITURE	REVENUE			DEBENTURES	PRIOR APPROVALS	O. M. B. APPROVAL REQUIRED
			TAX LEVY OR USER CHARGE	SUBSIDY & CONTRIBUTIONS				
				AMOUNT	SOURCE			
	LINHAVEN							
HA83-1	Roof repairs and replacement.	53,000	26,500	26,500	M.C.S.S.			
HA83-2	Resident area renovations.	1,225,000	173,500	612,500	M.C.S.S.	439,000		439,000
	SUNSET HAVEN							
HA83-6	Resident area renovations.	1,121,000		560,500	M.C.S.S.	560,500		560,500
	TOTAL	2,399,000	200,000	1,199,500		999,500		999,500

THE REGIONAL MUNICIPALITY OF NIAGARA

1983 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Senior Citizens
PROGRAM: Homes for the Aged

PROJECT YEAR: 1986

PROJECT NUMBER	DESCRIPTION & LOCATION	GROSS EXPENDITURE	REVENUE			DEBENTURES	PRIOR APPROVALS	O. M. B. APPROVAL REQUIRED
			TAX LEVY OR USER CHARGE	SUBSIDY & CONTRIBUTIONS				
				AMOUNT	SOURCE			
	LINHAVEN							
HA86-1	Heat Exchanger	22,000	11,000	11,000	M.C.S.S.			
	SUNSET HAVEN							
HA83-6	Resident Area Renovations	1,478,000	239,000	739,000	M.C.S.S.	500,000		500,000
	NEW FACILITY							
HA86-2	New 90-Bed Extended Care Facility.	1,000,000		500,000	M.C.S.S.	500,000		500,000
		2,500,000	250,000	1,250,000		1,000,000		1,000,000

THE REGIONAL MUNICIPALITY OF NIAGARA

1983 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Senior Citizens
PROGRAM: Homes for the Aged

PROJECT YEAR: 1987

PROJECT NUMBER	DESCRIPTION & LOCATION	GROSS EXPENDITURE	REVENUE			DEBENTURES	PRIOR APPROVALS	O. M. B. APPROVAL REQUIRED
			TAX LEVY OR USER CHARGE	SUBSIDY & CONTRIBUTIONS				
				AMOUNT	SOURCE			
	NEW FACILITY							
HA86-2	New 90-bed Extended Care facility.	500,000	250,000	250,000	M.C.S.S.			

SECTION 5

PUBLIC WORKS
REGIONAL BUILDINGS

THE REGIONAL MUNICIPALITY OF NIAGARA

1983 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Public Works
PROGRAM: Regional Buildings
PROJECT YEAR: 1986

PROJECT NUMBER	DESCRIPTION & LOCATION	GROSS EXPENDITURE	REVENUE			DEBENTURES	PRIOR APPROVALS	O. M. B. APPROVAL REQUIRED
			TAX LEVY OR USER CHARGE	SUBSIDY & CONTRIBUTIONS				
				AMOUNT	SOURCE			
RB86-1	Thorold Yard, Phase III, Fleet and Building Sections - Site Preparation, part 1, Design and Architects Fees	450,000				450,000		450,000
	TOTAL	450,000				450,000		450,000

81002 (Cap) (Rev: - 1-81)

THE REGIONAL MUNICIPALITY OF NIAGARA

1983 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Public Works
PROGRAM: Regional Buildings

PROJECT YEAR: 1987

PROJECT NUMBER	DESCRIPTION & LOCATION	GROSS EXPENDITURE	REVENUE			DEBENTURES	PRIOR APPROVALS	O. M. B. APPROVAL REQUIRED
			TAX LEVY OR USER CHARGE	SUBSIDY & CONTRIBUTIONS				
				AMOUNT	SOURCE			
RB86-1	Thorold Yard, Phase III, Fleet and Building Sections - Site Preparation, part 2	470,000				470,000		470,000
	Note: Construction Beginning 1988 for Occupany in 1989							
	TOTAL	470,000				470,000		470,000

81082 (Cap) (Rev: - 1-81)

SECTION 6

PUBLIC WORKS

ROADS

THE REGIONAL MUNICIPALITY OF NIAGARA

1983 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Public Works
PROGRAM: Roads
PROJECT YEAR: 1983

PROJECT NUMBER	DESCRIPTION & LOCATION	GROSS EXPENDITURE	REVENUE			DEBENTURES	PRIOR APPROVALS	O. M. B. APPROVAL REQUIRED
			TAX LEVY OR USER CHARGE	SUBSIDY & CONTRIBUTIONS				
				AMOUNT	SOURCE			
R81-5	Reconstruction of Niagara Road 57 (Thorold Stone Road) Phase I from QEW to Confederation Ave., Niagara Falls	720,000		424,800	MTC	295,200		295,200
R81-7	Reconstruction of Niagara Road 52 (Bunting Road) Phase I from Welland Avenue to QEW, St. Catharines	*890,000		490,000 60,000	MTC City	340,000	103,200	236,800
R82-4	Reconstruction of Niagara Road 31 (Ontario Road) Phase I from Southworth St. to Deere Street, Welland	150,000		88,500	MTC	61,500		61,500
R83-1	Portage Road Bridge Demolition, Phase I, Sidewalk Construction and Water Main Relocation, Niagara Falls	80,000		20,000 35,400	COED MTC	24,600		24,600
	Road and Traffic Betterments	2,410,000	1,003,500	1,406,500	MTC			
	TOTAL	4,250,000	1,003,500	2,445,200 60,000 20,000	MTC City COED	721,300	103,200	618,100

81007 (Capl (Rev: - 1-81)

NOTE: MTC Subsidy at 59% Rate

THE REGIONAL MUNICIPALITY OF NIAGARA

1983 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Public Works
PROGRAM: Roads

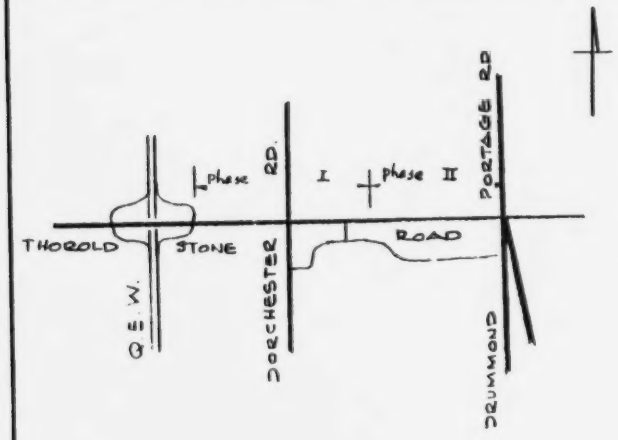
PROJECT DETAIL SHEET
PROJECT NO: R81-5

PROJECT LOCATION & DESCRIPTION

Reconstruction of Niagara Road 57
(Thorold Stone Road), Phase I from
QEW to Confederation Avenue, Niagara Falls

PROPOSED START DATE: June 1983
PROPOSED COMPLETION DATE: Oct. 1983

LOCATION PLAN



CAPITAL COST

LAND, BLDGS. & MAJOR IMPROVEMENTS	$ 20,000
UTILITY RELOCATIONS	31,600
CONSTRUCTION SERVICES:	
CONTRACTOR	570,000
REGIONAL (Traffic Signal)	28,400
ENGINEERING	70,000
TEMPORARY FINANCING	
CONTINGENCY	
1983 COSTS	$ 720,000
PRIOR/SUBSEQUENT YEAR COSTS:	
YEAR 1981	40,000
YEAR 1984 (Phase II)	640,000
TOTAL PROJECT COSTS	$ 1,400,000

FINANCING

TAX LEVY OR USER CHARGE	$
SUBSIDY & CONTRIBUTIONS:	
MTC	424,800
DEBENTURES:	
PRIOR YEARS	
1983	295,200
1983 FINANCING	$ 720,000
PRIOR/SUBSEQUENT YEARS' FINANCING:	
YEAR 1981	40,000
YEAR 1984	640,000
TOTAL PROJECT FINANCING	$1,400,000

NEED FOR THE PROJECT

Full reconstruction is required to remedy current drainage base and surface deficiencies. Widening to a 4-lane facility is necessary to provide sufficient capacity for current traffic volumes.

IMPACT ON OPERATING COSTS

NEW STAFF:
No. $
OTHER COSTS
TOTAL $

B1001 (Cap) (Rev: 2-81)

THE REGIONAL MUNICIPALITY OF NIAGARA

1983 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Public Works
PROGRAM: Roads

PROJECT DETAIL SHEET

PROJECT NO: R81-7

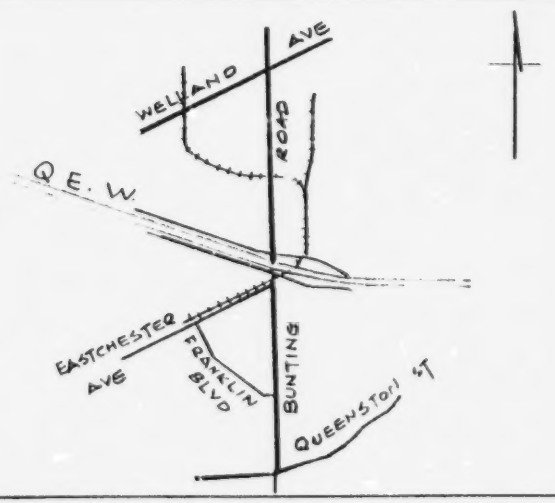
PROJECT LOCATION & DESCRIPTION

Reconstruction of Niagara Road 52 (Bunting Road)
Phase I from Welland Avenue to QEW
St. Catharines

PROPOSED START DATE: July 1983

PROPOSED COMPLETION DATE: Nov. 1983

LOCATION PLAN



CAPITAL COST

LAND, BLDGS. & MAJOR IMPROVEMENTS	$ 14,000
UTILITY RELOCATIONS	32,800
CONSTRUCTION SERVICES:	
CONTRACTOR	610,000
REGIONAL (Traffic Signal)	67,200
ENGINEERING	76,000
TEMPORARY FINANCING	
RAIL (CROSSING PROTECTION	40,000
1983 COSTS	$ 840,000
PRIOR/SUBSEQUENT YEAR COSTS:	
YEAR	
YEAR 1984 (Phase II)	640,000
TOTAL PROJECT COSTS	$ 1,480,000

FINANCING

TAX LEVY OR USER CHARGE		$
SUBSIDY & CONTRIBUTIONS:		
MTC Subsidy		495,600
DEBENTURES:		
PRIOR YEARS	103,200	
1983	241,200	344,400
1983 FINANCING		$ 840,000
PRIOR/SUBSEQUENT YEARS' FINANCING:		
YEAR		
YEAR 1984 (Phase II)		640,000
TOTAL PROJECT FINANCING		$ 1,480,000

NEED FOR THE PROJECT

Full reconstruction is required to remedy current base and surface deficiencies. Widening to 4-lane facility is necessary for current traffic volumes and to eliminate congestion and delay caused by heavy turning movements at commercial entrances.

IMPACT ON OPERATING COSTS

NEW STAFF:

No. _____ $ _____

OTHER COSTS _____

TOTAL $ _____

81001 (Cap) (Rev: 2-81)

THE REGIONAL MUNICIPALITY OF NIAGARA

1983 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Public Works
PROGRAM: Roads

PROJECT DETAIL SHEET

PROJECT NO: R82-4

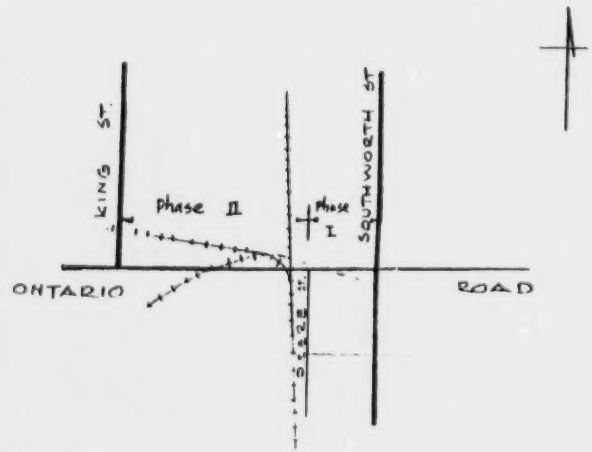
PROJECT LOCATION & DESCRIPTION

Reconstruction of Niagara Road 31 (Ontario Road) Phase I from Southworth Street to Deere Street Welland

PROPOSED START DATE: Sept. 1983

PROPOSED COMPLETION DATE: Nov. 1983

LOCATION PLAN



CAPITAL COST

LAND, BLDGS. & MAJOR IMPROVEMENTS	$
UTILITY RELOCATIONS	15,000
CONSTRUCTION SERVICES:	
CONTRACTOR	120,000
REGIONAL (Traffic Signal)	
ENGINEERING	15,000
TEMPORARY FINANCING	
CONTINGENCY	
1983 COSTS	$ 150,000
PRIOR/SUBSEQUENT YEAR COSTS:	
YEAR 1982	15,000
YEAR 1984 (Phase II)	600,000
TOTAL PROJECT COSTS	$ 765,000

FINANCING

TAX LEVY OR USER CHARGE	$
SUBSIDY & CONTRIBUTIONS:	
MTC	88,500
DEBENTURES:	
PRIOR YEARS	
1983	61,500
1983 FINANCING	$ 150,000
PRIOR/SUBSEQUENT YEARS' FINANCING:	
YEAR 1982	15,000
YEAR 1984 (Phase II)	600,000
TOTAL PROJECT FINANCING	$ 765,000

NEED FOR THE PROJECT

This roadway is currently classified as structurally deficient and requires full reconstruction. This first phase will remove the hump at the abandoned railway crossing and return the road to level grade. The project will be scheduled to coincide with the proposed relocation of Unity Street by the City of Welland.

IMPACT ON OPERATING COSTS

NEW STAFF:

No. $

OTHER COSTS

TOTAL $

B1001 (Cap) (Rev: 2-81)

THE REGIONAL MUNICIPALITY OF NIAGARA

1983 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara

DEPARTMENT: Public Works

PROGRAM: Roads

PROJECT DETAIL SHEET

PROJECT NO: R83-1

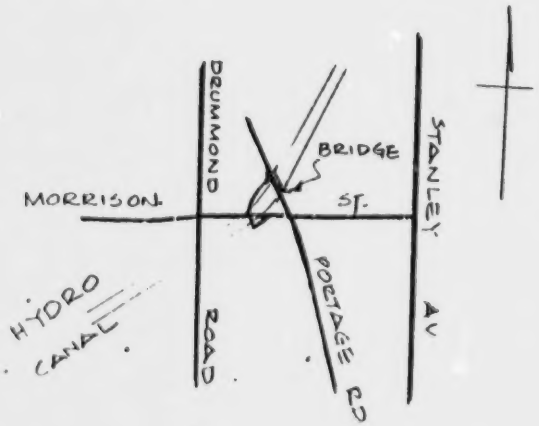
PROJECT LOCATION & DESCRIPTION

Portage Road Bridge Demolition, Phase I
Sidewalk Construction and Water Main
Relocation, Niagara Falls

PROPOSED START DATE: _____

PROPOSED COMPLETION DATE: _____

LOCATION PLAN



CAPITAL COST

LAND, BLDGS. & MAJOR IMPROVEMENTS	$
FURNITURE & EQUIPMENT	
CONSTRUCTION SERVICES:	
CONTRACTOR	
REGIONAL	
ENGINEERING	
TEMPORARY FINANCING	
CONTINGENCY	
1983 COSTS	$ 80,000
PRIOR/SUBSEQUENT YEAR COSTS:	
YEAR 1984	370,000
YEAR	
TOTAL PROJECT COSTS	$ 450,000

FINANCING

TAX LEVY OR USER CHARGE		$
SUBSIDY & CONTRIBUTIONS:		
MTC		35,400
COED		20,000
DEBENTURES:		
PRIOR YEARS		
1983	24,600	24,600
1983 FINANCING		$ 80,000
PRIOR/SUBSEQUENT YEARS' FINANCING:		
YEAR 1984		370,000
YEAR		
TOTAL PROJECT FINANCING		$ 450,000

NEED FOR THE PROJECT

IMPACT ON OPERATING COSTS

NEW STAFF:

No. _____ $ _____

OTHER COSTS _____

TOTAL $ _____

B1001 (Cap) (Rev: 2-81)

THE REGIONAL MUNICIPALITY OF NIAGARA

1983 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Public Works
PROGRAM: Roads
PROJECT YEAR: 1984

PROJECT NUMBER	DESCRIPTION & LOCATION	GROSS EXPENDITURE	REVENUE			DEBENTURES	PRIOR APPROVALS	O. M. B. APPROVAL REQUIRED
			TAX LEVY OR USER CHARGE	SUBSIDY & CONTRIBUTIONS				
				AMOUNT	SOURCE			
R81-5	Reconstruction of Niagara Road 57 (Thorold Stone Road) Phase II from Confederation Avenue to Portage Road Niagara Falls	$250,000		147,500	MTC	102,500		102,500
R81-7	Reconstruction of Niagara Road 52 (Bunting Road) Phase II from QEW to Franklin Blvd., St. Catharines	640,000		377,600	MTC	262,400		262,400
R82-4	Reconstruction of Niagara Road 31 (Ontario Road) Phase II from Deere Street to King Street, Welland	600,000		354,000	MTC	246,000		246,000
R83-1	Portage Road Bridge Demolition, Niagara Falls	370,000		105,000 156,400	COED MTC	108,600		108,600
	Roads and Traffic Betterments, etc.	2,925,000	1,200,000	1,725,000	MTC			
	TOTAL	4,785,000	1,200,000	2,760,500 105,000	MTC COED	719,500		719,500

(Rev: - 1-81)

NOTE: MTC Subsidy at 59% Rate

THE REGIONAL MUNICIPALITY OF NIAGARA

1983 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Public Works
PROGRAM: Roads
PROJECT YEAR: 1985

PROJECT NUMBER	DESCRIPTION & LOCATION	GROSS EXPENDITURE	REVENUE			DEBENTURES	PRIOR APPROVALS	O. M. B. APPROVAL REQUIRED
			TAX LEVY OR USER CHARGE	SUBSIDY & CONTRIBUTIONS				
				AMOUNT	SOURCE			
R81-8	Reconstruction of Niagara Road 46 (Geneva Street) from Scott Street to Linwell Road, St. Catharines	710,000		404,700	MTC	305,300		305,300
R84-1	Reconstruction of Niagara Road 49 (Portage Road) from McLeod Road to Burning Springs Road, Niagara Falls	900,000	187,400	513,000	MTC	199,600		199,600
R85-1	Reconstruction of Niagara Road 66 (King Street) from Main Street to Killaly St. Port Colborne (cost estimate does not include storm sewer installation)	570,000		324,900	MTC	245,100		245,100
	Roads and Traffic Betterments	2,790,000	1,200,000	1,590,000	MTC			
	TOTAL	4,970,000	1,387,400	2,832,600	MTC	750,000		750,000

81007 ICapl (Rev: - 1-81)

NOTE: MTC Subsidy at 57% Rate

THE REGIONAL MUNICIPALITY OF NIAGARA

1983 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Public Works
PROGRAM: Roads
PROJECT YEAR: 1986

PROJECT NUMBER	DESCRIPTION & LOCATION	GROSS EXPENDITURE	REVENUE			DEBENTURES	PRIOR APPROVALS	O. M. B. APPROVAL REQUIRED
			TAX LEVY OR USER CHARGE	SUBSIDY & CONTRIBUTIONS				
				AMOUNT	SOURCE			
R82-1	Reconstruction of Niagara Road 91 (Westchester Crescent) from Hwy. 406 to Queenston Street St. Catharines	930,000	221,800	110,000 467,400	City Storm Sewer Cost MTC	130,800		130,800
R82-3	Reconstruction of Niagara Road 102 (Stanley Avenue) from McLeod Road to Main Street, Niagara Falls	710,000		404,700	MTC	305,300	30,000	275,300
R85-2	Reconstruction of Niagara Road 46 (Geneva Street) from Linwell Road to Lakeshore Road, St. Catharines	730,000		416,100	MTC	313,900		313,900
	Roads and Traffic Betterments, etc.	3,200,000	1,375,000	1,825,000	MTC			
	TOTAL	5,570,000	1,596,800	3,113,200 110,000	MTC City	750,000	30,000	720,000

81002 (Capl (Rev: - 1-81)

NOTE: MTC subsidy at 57% rate.

THE REGIONAL MUNICIPALITY OF NIAGARA

1983 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Public Works
PROGRAM: Roads

PROJECT YEAR: 1987

PROJECT NUMBER	DESCRIPTION & LOCATION	GROSS EXPENDITURE	REVENUE			DEBENTURES	PRIOR APPROVALS	O. M. B. APPROVAL REQUIRED
			TAX LEVY OR USER CHARGE	SUBSIDY & CONTRIBUTIONS				
				AMOUNT	SOURCE			
R85-3	Reconstruction of Niagara Road 52 (Bunting Road) from Welland Avenue to Carlton Street, St. Catharines	860,000	331,100	90,000 438,900	City Storm Sewer Cost MTC			
R86-1	Reconstruction of Niagara Road 71 (St. David's Road) from Hwy. 406 to Townline Road, Thorold	770,000		438,900	MTC	331,100		331,100
R86-3	Reconstruction of Niagara Road 98 (Montrose Road) from Lundy's Lane to McLeod Road Phase I, Niagara Falls	370,000		210,900	MTC	159,100		159,100
	Roads and Traffic Betterments, etc.	3,800,000	1,650,000	2,150,000	MTC			
	TOTAL	5,800,000	1,981,100	3,238,700 90,000	MTC City	490,200		490,200

NOTE: MTC subsidy at 57% rate.

81302 (Cap) (Rev: - 1-81)

SECTION 7

PUBLIC WORKS

SEWAGE WORKS

THE REGIONAL MUNICIPALITY OF NIAGARA

1983 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Public Works
PROGRAM: Sewage
PROJECT YEAR: 1983

PROJECT NUMBER	DESCRIPTION & LOCATION	GROSS EXPENDITURE	REVENUE			DEBENTURES	PRIOR APPROVALS	O. M. B. APPROVAL REQUIRED
			TAX LEVY OR USER CHARGE	SUBSIDY & CONTRIBUTIONS				
				AMOUNT	SOURCE			
S83-1	Refurbish Lakeshore Road Pumping Station, Fort Erie	100.000		100.000	Cap. levy			
S83-2	Digester Insulation, Anger Avenue Sewage Treatment Plant, Fort Erie	20.000		20.000	Cap. levy			
S83-3	Relocation of Sludge Storage Lagoons, Fort Erie	75.000		75.000	Cap. levy			
S83-4	Engineering Investigation Plant Capacity Requirements Anger Avenue Sewage Treatment Plant, Fort Erie	45.000		45.000	Cap. levy			
S83-5	Refurbish Old Orchard Pumping Station, Grimsby	100.000		100.000	Cap. levy			
S83-6	Insulate Digester at Baker Road Sewage Treatment Plant Grimsby	30.000		30.000	Cap. levy			
S83-7	Additional Allocation for Baker Road Sewage Treatment Plant Digester Mixing Grimsby	105.000		65.000	Cap. levy		40.000	Cap. levy
S83-8	Contribution towards replacement of Sarah Street Pumping Station by Gravity Sewers Niagara Falls	12.000		12.000	Cap. levy			
S83-9	Primary Clarifier Chains, Niagara Falls Sewage Treatment Plant, Niagara Falls	200.000				200.000		200.000

81002 (Cap) (Rev: - 1-81)

THE REGIONAL MUNICIPALITY OF NIAGARA

1983 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara

DEPARTMENT: Public Works

PROGRAM: Sewage

PROJECT YEAR: 1983

PROJECT NUMBER	DESCRIPTION & LOCATION	GROSS EXPENDITURE	REVENUE			DEBENTURES	PRIOR APPROVALS	O. M. B. APPROVAL REQUIRED
			TAX LEVY OR USER CHARGE	SUBSIDY & CONTRIBUTIONS				
				AMOUNT	SOURCE			
S83-10	Ricardo Street Pumping Station Reburbishing Niagara-on-the-Lake	65.000		50.000	Cap. levy		15.000	Cap. levy
S83-11	Modifications to Sludge Handling Facilities, Seaway Sewage Treatment Plant Port Colborne	85.000		85.000	Cap. levy			
S83-12	Additional Sludge Storage Port Colborne	35.000		35.000	Cap. levy			
S83-13	Insulate Digester Roofs at Port Weller Sewage Treatment Plant, St. Catharines	30.000		30.000	Cap. levy			
S83-14	New Pump Controls, Peel Street Pumping Station St. Catharines-Thorold	120.000		120.000	Cap. levy			
S83-15	Investigation, Port Dalhousie Sewage Treatment Plant, Detritor Influent Channel Hydraulics and Engineering for Modifications St. Catharines	45.000		45.000	Cap. levy			
S83-16	Modifications to Activated Sludge Return System and Digester Supernatant Return Port Dalhousie Sewage Treatment Plant, St. Catharines	175.000		108.000	Cap. levy	67.000		67.000

THE REGIONAL MUNICIPALITY OF NIAGARA

1983 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Public Works
PROGRAM: Sewage

PROJECT YEAR: 1983

PROJECT NUMBER	DESCRIPTION & LOCATION	GROSS EXPENDITURE	REVENUE			DEBENTURES	PRIOR APPROVALS	O. M. B. APPROVAL REQUIRED
			TAX LEVY OR USER CHARGE	SUBSIDY & CONTRIBUTIONS				
				AMOUNT	SOURCE			
S83-17	Provision of Secondary Treatment at the Niagara Falls Sewage Treatment Plant total estimated cost ($8,000,000) -Partial net allocation in 1983 $810,000 -Remainder 1984 ($2,000,000)	4,810,000		80,000 3,000,000 1,000,000	Cap. Levy Federal Provincial	730,000		730,000
	TOTAL	6,052,000		5,000,000		297,000	55,000	297,000

No allocations are provided at this time for Port Robinson, Thorold; Crystal Beach, Fort Erie; and Anger Avenue, Fort Erie.

81007 (Cap) (Rev: - 1-81)

THE REGIONAL MUNICIPALITY OF NIAGARA

1983 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara

DEPARTMENT: Public Works

PROGRAM: Sewage

PROJECT DETAIL SHEET

PROJECT NO: S83-1

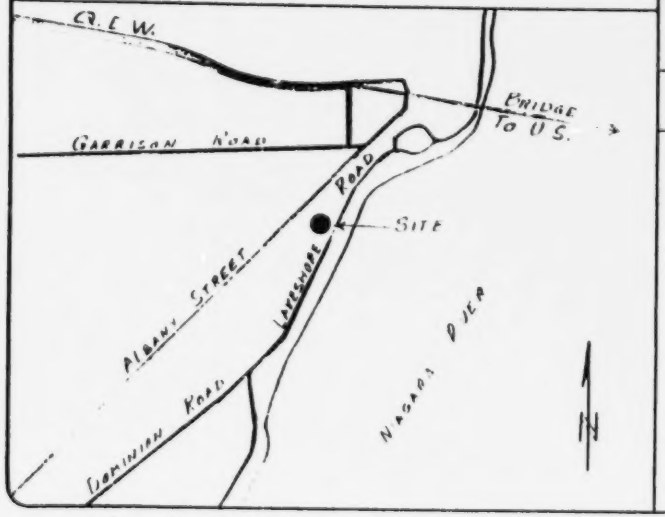
PROJECT LOCATION & DESCRIPTION

Refurbish Lakeshore Road Pumping Station
Town of Fort Erie

PROPOSED START DATE: June 1983

PROPOSED COMPLETION DATE: January 1984

LOCATION PLAN



CAPITAL COST

LAND, BLDGS. & MAJOR IMPROVEMENTS	$
FURNITURE & EQUIPMENT	
CONSTRUCTION SERVICES:	
CONTRACTOR	69,000
REGIONAL	
ENGINEERING	15,000
TEMPORARY FINANCING	6,000
CONTINGENCY	10,000
1983 COSTS	$ 100,000
PRIOR/SUBSEQUENT YEAR COSTS:	
YEAR	
YEAR	
TOTAL PROJECT COSTS	$ 100,000

FINANCING

TAX LEVY OR USER CHARGE	$
SUBSIDY & CONTRIBUTIONS:	
Capital levy	100,000
DEBENTURES:	
PRIOR YEARS	
198__	
198 3 FINANCING	$ 100,000
PRIOR/SUBSEQUENT YEARS' FINANCING:	
YEAR	
YEAR	
TOTAL PROJECT FINANCING	$ 100,000

NEED FOR THE PROJECT

The pumps and electrical equipment in the station are past their useful life and are a constant source of maintenance. In addition, the electrical controls no longer meet hydro codes.

IMPACT ON OPERATING COSTS

NEW STAFF:

No. $

OTHER COSTS

TOTAL $

S1001 (Capl (Rev: 2-81)

THE REGIONAL MUNICIPALITY OF NIAGARA

1983 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Public Works
PROGRAM: Sewage

PROJECT DETAIL SHEET

PROJECT NO: S83-2

PROJECT LOCATION & DESCRIPTION

Digester Insulation, Anger Avenue Sewage Treatment Plant, Town of Fort Erie

PROPOSED START DATE: July 1983

PROPOSED COMPLETION DATE: August 1983

LOCATION PLAN

CAPITAL COST

LAND, BLDGS. & MAJOR IMPROVEMENTS	$
FURNITURE & EQUIPMENT	
CONSTRUCTION SERVICES:	
CONTRACTOR	16,000
REGIONAL	
ENGINEERING	1,000
TEMPORARY FINANCING	1,500
CONTINGENCY	1,500
1983 COSTS	$ 20,000
PRIOR/SUBSEQUENT YEAR COSTS:	
YEAR	
YEAR	
TOTAL PROJECT COSTS	$ 20,000

FINANCING

TAX LEVY OR USER CHARGE	$
SUBSIDY & CONTRIBUTIONS:	
Capital levy	20,000
DEBENTURES:	
PRIOR YEARS	
198_	
1983 FINANCING	$ 20,000
PRIOR/SUBSEQUENT YEARS' FINANCING:	
YEAR	
YEAR	
TOTAL PROJECT FINANCING	$ 20,000

NEED FOR THE PROJECT

Insulation of the digester roofs will reduce the heating cost for the digesters, which will result in the purchase of less natural gas. In addition, there are some publications which would suggest that by insulating the digester roof, the interior coating life can be greatly extended as the insulation reduces thermal stress across the roof.

IMPACT ON OPERATING COSTS

NEW STAFF:

No. $

OTHER COSTS

TOTAL $

81001 (Cap) (Rev: 2-81)

THE REGIONAL MUNICIPALITY OF NIAGARA

1983 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Public Works
PROGRAM: Sewage

PROJECT DETAIL SHEET

PROJECT NO: S83-3

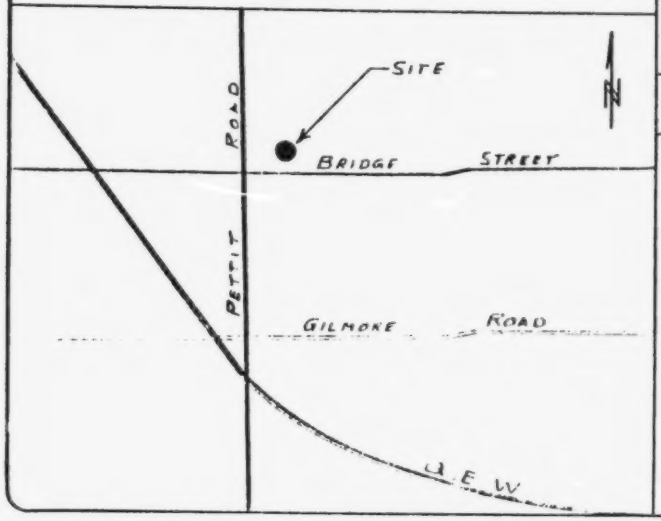
PROJECT LOCATION & DESCRIPTION

Relocation of Sludge Storage Lagoons,
Town of Fort Erie

PROPOSED START DATE: June 1983

PROPOSED COMPLETION DATE: August 1983

LOCATION PLAN



CAPITAL COST

LAND, BLDGS. & MAJOR IMPROVEMENTS	$
FURNITURE & EQUIPMENT	
CONSTRUCTION SERVICES:	
CONTRACTOR	62,000
REGIONAL	
ENGINEERING	5,000
TEMPORARY FINANCING	5,000
CONTINGENCY	3,000
1983 COSTS	$75,000
PRIOR/SUBSEQUENT YEAR COSTS:	
YEAR	
YEAR	
TOTAL PROJECT COSTS	$ 75,000

FINANCING

TAX LEVY OR USER CHARGE	$
SUBSIDY & CONTRIBUTIONS:	
Capital levy	75,000
DEBENTURES:	
PRIOR YEARS	
198	
1983 FINANCING	$ 75,000
PRIOR/SUBSEQUENT YEARS' FINANCING:	
YEAR	
YEAR	
TOTAL PROJECT FINANCING	$ 75,000

NEED FOR THE PROJECT

The existing sludge storage lagoons in Fort Erie are located on a sanitary landfill area. The Town has been experiencing leaching problems at their landfill site and has requested the relocation of the lagoons to native soil.

IMPACT ON OPERATING COSTS

NEW STAFF:
No. $
OTHER COSTS
TOTAL $

B1001 (Capl (Rev: 2-81)

THE REGIONAL MUNICIPALITY OF NIAGARA

1983 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara

DEPARTMENT: Public Works

PROGRAM: Sewage

PROJECT DETAIL SHEET

PROJECT NO: S83-4

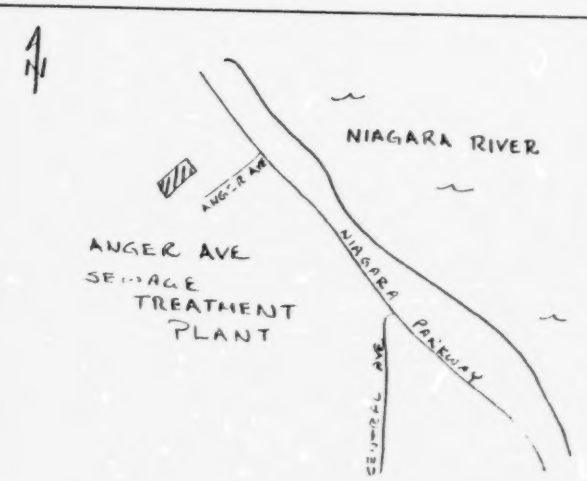
PROJECT LOCATION & DESCRIPTION

Engineering Investigation, Plant Capacity Requirements, Anger Avenue Sewage Treatment Plant, Town of Fort Erie

PROPOSED START DATE: August 1983

PROPOSED COMPLETION DATE: January 1984

LOCATION PLAN



CAPITAL COST

LAND, BLDGS. & MAJOR IMPROVEMENTS	$
FURNITURE & EQUIPMENT	
CONSTRUCTION SERVICES:	
CONTRACTOR	
REGIONAL	
ENGINEERING	42,000
TEMPORARY FINANCING	3,000
CONTINGENCY	
1983 COSTS	$ 45,000
PRIOR/SUBSEQUENT YEAR COSTS:	
YEAR	
YEAR	
TOTAL PROJECT COSTS	$ 45,000

FINANCING

TAX LEVY OR USER CHARGE	$
SUBSIDY & CONTRIBUTIONS:	
Capital levy	45,000
DEBENTURES:	
PRIOR YEARS	
198	
1983 FINANCING	$ 45,000
PRIOR/SUBSEQUENT YEARS' FINANCING:	
YEAR	
YEAR	
TOTAL PROJECT FINANCING	$ 45,000

NEED FOR THE PROJECT

At the Anger Avenue sewage treatment plant, the hydraulic capacity is now being approached. It is proposed to undertake an engineering investigation to determine methods of increasing the plant capacity. The investigation will take into consideration the Town's infiltration studies and action will be based on the recommendation in the study.

IMPACT ON OPERATING COSTS

NEW STAFF:	
No.	$
OTHER COSTS	
TOTAL	$

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THE REGIONAL MUNICIPALITY OF NIAGARA

1983 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Public Works
PROGRAM: Sewage

PROJECT DETAIL SHEET

PROJECT NO: S83-5

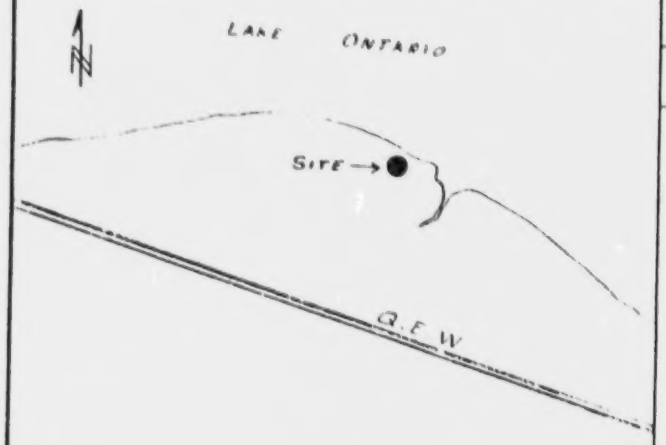
PROJECT LOCATION & DESCRIPTION

Refurbish Old Orchard Pumping Station
Town of Grimsby

PROPOSED START DATE: June 1983

PROPOSED COMPLETION DATE: January 1984

LOCATION PLAN



CAPITAL COST

LAND, BLDGS. & MAJOR IMPROVEMENTS	$
FURNITURE & EQUIPMENT	
CONSTRUCTION SERVICES:	
CONTRACTOR	68,000
REGIONAL	
ENGINEERING	15,000
TEMPORARY FINANCING	7,000
CONTINGENCY	10,000
1983 COSTS	$100,000
PRIOR/SUBSEQUENT YEAR COSTS:	
YEAR	
YEAR	
TOTAL PROJECT COSTS	$ 100,000

FINANCING

TAX LEVY OR USER CHARGE	$
SUBSIDY & CONTRIBUTIONS:	
Capital levy	100,000
DEBENTURES:	
PRIOR YEARS	
198	
1983 FINANCING	$ 100,000
PRIOR/SUBSEQUENT YEARS' FINANCING:	
YEAR	
YEAR	
TOTAL PROJECT FINANCING	$ 100,000

NEED FOR THE PROJECT

The pumps and electrical equipment in the station are past their useful life and are a constant source of maintenance. In addition, the electrical controls no longer meet hydro codes.

IMPACT ON OPERATING COSTS

NEW STAFF:
No. $
OTHER COSTS
TOTAL $

81001 (Cap) (Rev: 2-81)

THE REGIONAL MUNICIPALITY OF NIAGARA

1983 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Public Works
PROGRAM: Sewage

PROJECT DETAIL SHEET

PROJECT NO: S83-6

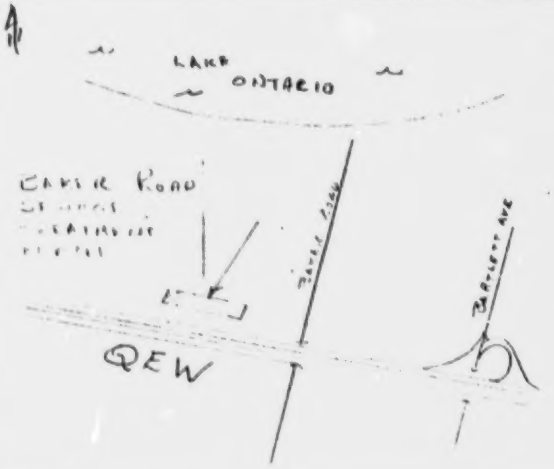
PROJECT LOCATION & DESCRIPTION

Insulate Digester at Baker Road Sewage Treatment Plant, Town of Grimsby

PROPOSED START DATE: July 1983

PROPOSED COMPLETION DATE: August 1983

LOCATION PLAN



CAPITAL COST

LAND, BLDGS. & MAJOR IMPROVEMENTS	$
FURNITURE & EQUIPMENT	
CONSTRUCTION SERVICES:	
CONTRACTOR	26,000
REGIONAL	
ENGINEERING	1,000
TEMPORARY FINANCING	2,000
CONTINGENCY	1,000
1983 COSTS	$ 30,000
PRIOR/SUBSEQUENT YEAR COSTS:	
YEAR	
YEAR	
TOTAL PROJECT COSTS	$ 30,000

FINANCING

TAX LEVY OR USER CHARGE	$
SUBSIDY & CONTRIBUTIONS:	
Capital levy	30,000
DEBENTURES:	
PRIOR YEARS	
198_	
1983 FINANCING	$ 30,000
PRIOR/SUBSEQUENT YEARS' FINANCING:	
YEAR	
YEAR	
TOTAL PROJECT FINANCING	$ 30,000

NEED FOR THE PROJECT

Insulation of the digester roofs will reduce the heating cost for the digesters, which will result in the purchase of less natural gas. In addition, there are some publications which would suggest that by insulating the digester roof, the interior coating life can be greatly extended as the insulation reduces thermal stress across the roof.

IMPACT ON OPERATING COSTS

NEW STAFF:

No. $

OTHER COSTS

TOTAL $

B1001 (Capl (Rev: 2-81)

THE REGIONAL MUNICIPALITY OF NIAGARA

1983 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Public Works
PROGRAM: Sewage

PROJECT DETAIL SHEET

PROJECT NO: S83-7

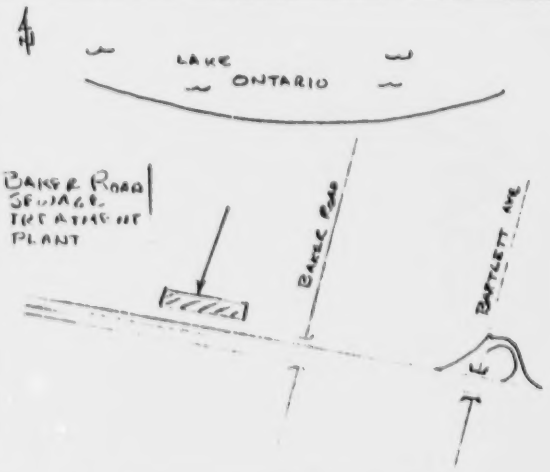
PROJECT LOCATION & DESCRIPTION

Additional Allocation for Baker Road Sewage Treatment Plant Digester Mixing, Town of Grimsby

PROPOSED START DATE: April 1983

PROPOSED COMPLETION DATE: November 1983

LOCATION PLAN



CAPITAL COST

LAND, BLDGS. & MAJOR IMPROVEMENTS	$
FURNITURE & EQUIPMENT	
CONSTRUCTION SERVICES:	
CONTRACTOR	78,000
REGIONAL	6,000
ENGINEERING	10,000
TEMPORARY FINANCING	4,000
CONTINGENCY	7,000
1983 COSTS	$ 105,000
PRIOR/SUBSEQUENT YEAR COSTS:	
YEAR	
YEAR	
TOTAL PROJECT COSTS	$ 105,000

FINANCING

TAX LEVY OR USER CHARGE	$
SUBSIDY & CONTRIBUTIONS:	
Capital levy	65,000
1982 Capital levy	40,000
DEBENTURES:	
PRIOR YEARS	
198_	
1983 FINANCING	$ 105,000
PRIOR/SUBSEQUENT YEARS' FINANCING:	
YEAR	
YEAR	
TOTAL PROJECT FINANCING	$ 105,000

NEED FOR THE PROJECT

The digester mixing system at the Baker Road plant is inadequate. In addition, the existing gas compressors and gas booster pumps are a continuous source of maintenance and require replacement. The gas booster pumps leak methane gas around their seals and this could pose as a potential hazard. The amount of $40,000 was allocated in our 1983 capital budget for the works; however, with the addition of new equipment to improve digester performance, the gas regulations require upgrading of the remaining safety train to meet current codes.

IMPACT ON OPERATING COSTS

NEW STAFF:

No. $

OTHER COSTS

TOTAL $

81001 (Cap) (Rev: 2-81)

THE REGIONAL MUNICIPALITY OF NIAGARA

1983 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara

DEPARTMENT: Public Works

PROGRAM: Sewage

PROJECT DETAIL SHEET

PROJECT NO: S83-8

PROJECT LOCATION & DESCRIPTION

Contribution towards replacement of Sarah Street pumping station by gravity sewers, City of Niagara Falls

PROPOSED START DATE:

PROPOSED COMPLETION DATE:

LOCATION PLAN

CAPITAL COST

LAND, BLDGS. & MAJOR IMPROVEMENTS	$
FURNITURE & EQUIPMENT	
CONSTRUCTION SERVICES:	
CONTRACTOR	
REGIONAL	
ENGINEERING	
TEMPORARY FINANCING	
CONTINGENCY	
1983 COSTS	$ 12,000
PRIOR/SUBSEQUENT YEAR COSTS:	
YEAR	
YEAR	
TOTAL PROJECT COSTS	$ 12,000

FINANCING

TAX LEVY OR USER CHARGE	$
SUBSIDY & CONTRIBUTIONS:	
Capital levy	12,000
DEBENTURES:	
PRIOR YEARS	
1983	12,000
198 FINANCING	$
PRIOR/SUBSEQUENT YEARS' FINANCING:	
YEAR	
YEAR	
TOTAL PROJECT FINANCING	$ 12,000

NEED FOR THE PROJECT

The City of Niagara Falls proposes to install a sanitary sewer which would obviate the need for the Sarah Street pumping station. Our annual operating costs for the station are approximately $3,000 and has a present value of $12,000.

IMPACT ON OPERATING COSTS

NEW STAFF:

No. $

OTHER COSTS

TOTAL $

81001 (Cap) (Rev: 2-81)

THE REGIONAL MUNICIPALITY OF NIAGARA

1983 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Public Works
PROGRAM: Sewage

PROJECT DETAIL SHEET

PROJECT NO: 583-9

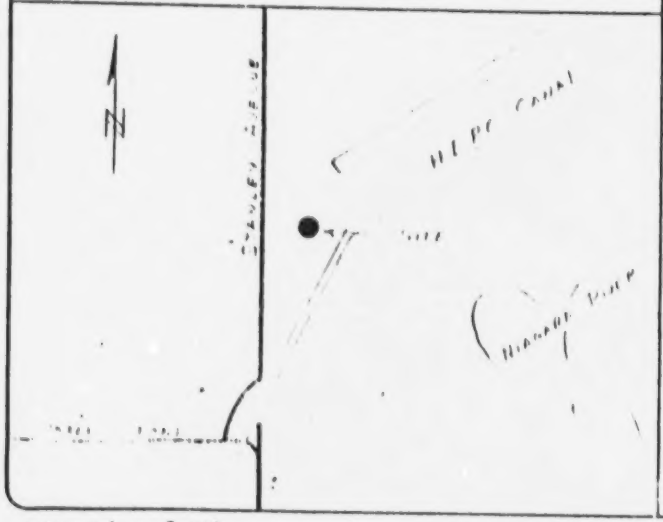
PROJECT LOCATION & DESCRIPTION

Primary Clarifier Chains, Niagara Falls Sewage Treatment Plant, City of Niagara Falls

PROPOSED START DATE: June 1983

PROPOSED COMPLETION DATE: August 1983

LOCATION PLAN



CAPITAL COST

LAND, BLDGS. & MAJOR IMPROVEMENTS	$
FURNITURE & EQUIPMENT	
CONSTRUCTION SERVICES:	
CONTRACTOR	185,000
REGIONAL	
ENGINEERING	2,000
TEMPORARY FINANCING	13,000
CONTINGENCY	
1983 COSTS	$ 200,000
PRIOR/SUBSEQUENT YEAR COSTS:	
YEAR	
YEAR	
TOTAL PROJECT COSTS	$ 200,000

FINANCING

TAX LEVY OR USER CHARGE		$
SUBSIDY & CONTRIBUTIONS:		
DEBENTURES:		
PRIOR YEARS		
1983	200,000	200,000
1983 FINANCING		$ 200,000
PRIOR/SUBSEQUENT YEARS' FINANCING:		
YEAR		
YEAR		
TOTAL PROJECT FINANCING		$ 200,000

NEED FOR THE PROJECT

The primary clarifier chains in the old section of the plant are worn out and require replacement.

IMPACT ON OPERATING COSTS

NEW STAFF:

No. $

OTHER COSTS

TOTAL $

81081 (Cap) (Rev: 2-81)

THE REGIONAL MUNICIPALITY OF NIAGARA

1983 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Public Works
PROGRAM: Sewage

PROJECT DETAIL SHEET

PROJECT NO: S83-10

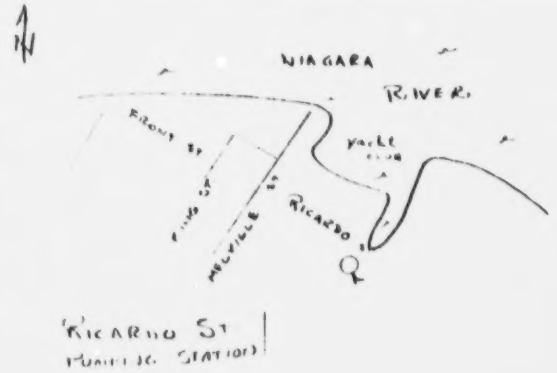
PROJECT LOCATION & DESCRIPTION

Ricardo Street Pumping Station Refurbishing, Town of Niagara-on-the-Lake

PROPOSED START DATE: June 1983

PROPOSED COMPLETION DATE: January 1984

LOCATION PLAN



CAPITAL COST

LAND, BLDGS. & MAJOR IMPROVEMENTS	$
FURNITURE & EQUIPMENT	
CONSTRUCTION SERVICES:	
CONTRACTOR	45,000
REGIONAL	
ENGINEERING	10,000
TEMPORARY FINANCING	4,000
CONTINGENCY	6,000
1983 COSTS	$ 65,000
PRIOR/SUBSEQUENT YEAR COSTS:	
YEAR	
YEAR	
TOTAL PROJECT COSTS	$ 65,000

FINANCING

TAX LEVY OR USER CHARGE	$
SUBSIDY & CONTRIBUTIONS:	
Capital levy	50,000
1982 Capital levy	15,000
DEBENTURES:	
PRIOR YEARS	
198	
1983 FINANCING	$ 65,000
PRIOR/SUBSEQUENT YEARS' FINANCING:	
YEAR	
YEAR	
TOTAL PROJECT FINANCING	$ 65,000

NEED FOR THE PROJECT

The pumps and electrical equipment in the station are past their useful life and are a constant source of maintenance. In addition, the electrical controls no longer meet hydro codes.

IMPACT ON OPERATING COSTS

NEW STAFF:

No. $

OTHER COSTS

TOTAL $

B1001 (Cap) (Rev: 2-81)

THE REGIONAL MUNICIPALITY OF NIAGARA

1983 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara

DEPARTMENT: Public Works

PROGRAM: Sewage

PROJECT DETAIL SHEET

PROJECT NO: S83-11

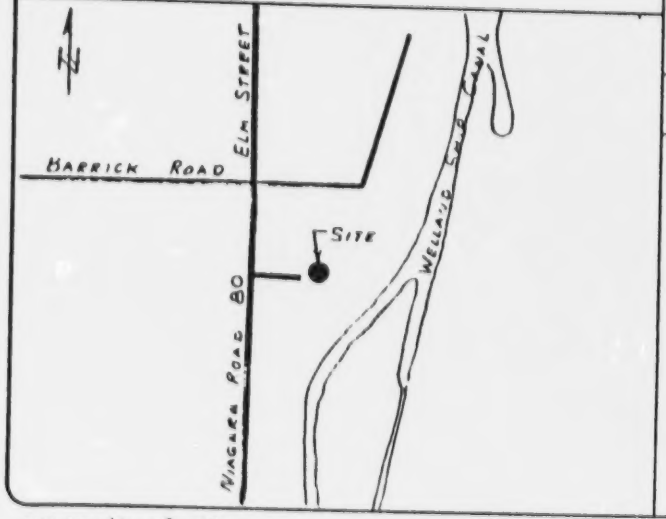
PROJECT LOCATION & DESCRIPTION

Modifications to Sludge Handling Facilities, Seaway Sewage Treatment Plant, City of Port Colborne

PROPOSED START DATE: July 1983

PROPOSED COMPLETION DATE: December 1983

LOCATION PLAN



CAPITAL COST

LAND, BLDGS. & MAJOR IMPROVEMENTS	$
FURNITURE & EQUIPMENT	
CONSTRUCTION SERVICES:	
CONTRACTOR	60,000
REGIONAL	
ENGINEERING	20,000
TEMPORARY FINANCING	5,000
CONTINGENCY	
1983 COSTS	$ 85,000
PRIOR/SUBSEQUENT YEAR COSTS:	
YEAR	
YEAR	
TOTAL PROJECT COSTS	$ 85,000

FINANCING

TAX LEVY OR USER CHARGE	$
SUBSIDY & CONTRIBUTIONS:	
Capital levy	85,000
DEBENTURES:	
PRIOR YEARS	
198	
1983 FINANCING	$ 85,000
PRIOR/SUBSEQUENT YEARS' FINANCING:	
YEAR	
YEAR	
TOTAL PROJECT FINANCING	$ 85,000

NEED FOR THE PROJECT

By accepting Canada Starch wastes at the Seaway sewage treatment plant, the amount of sludge generated has greatly increased. The existing sludge handling facilities are proving inadequate to handle the volumes generated.

IMPACT ON OPERATING COSTS

NEW STAFF:

No. $

OTHER COSTS

TOTAL $

81001 (Cap) (Rev: 2-81)

THE REGIONAL MUNICIPALITY OF NIAGARA

1983 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara

DEPARTMENT: Public Works

PROGRAM: Sewage

PROJECT DETAIL SHEET

PROJECT NO: S83-12

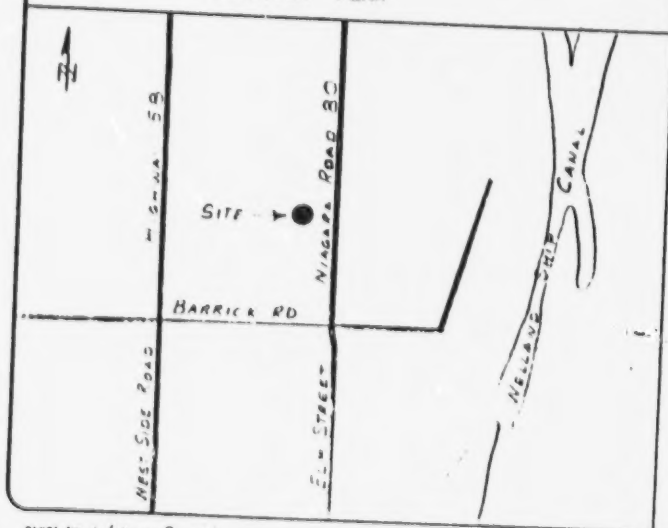
PROJECT LOCATION & DESCRIPTION

Additional Sludge Storage, City of Port Colborne

PROPOSED START DATE: June 1983

PROPOSED COMPLETION DATE: September 1983

LOCATION PLAN



CAPITAL COST

LAND, BLDGS. & MAJOR IMPROVEMENTS	$
FURNITURE & EQUIPMENT	
CONSTRUCTION SERVICES:	
CONTRACTOR	30,000
REGIONAL	
ENGINEERING	2,000
TEMPORARY FINANCING	2,000
CONTINGENCY	1,000
1983 COSTS	$ 35,000
PRIOR/SUBSEQUENT YEAR COSTS:	
YEAR	
YEAR	
TOTAL PROJECT COSTS	$ 35,000

FINANCING

TAX LEVY OR USER CHARGE	$
SUBSIDY & CONTRIBUTIONS:	
Capital levy	35,000
DEBENTURES:	
PRIOR YEARS	
198_	
1983 FINANCING	$ 35,000
PRIOR/SUBSEQUENT YEARS' FINANCING:	
YEAR	
YEAR	
TOTAL PROJECT FINANCING	$ 35,000

NEED FOR THE PROJECT

By accepting Canada Starch wastes at the Seaway sewage treatment plant, the amount of sludge generated has greatly increased. The increased volume of sludge must be removed from the digester for storage at the holding lagoons located at the Port Colborne sanitary landfill site. The existing lagoons do not have a capacity to handle this increased volume of sludge.

IMPACT ON OPERATING COSTS

NEW STAFF:

No. $

OTHER COSTS

TOTAL $

Blodi (Cap) (Rev: 2-81)

THE REGIONAL MUNICIPALITY OF NIAGARA

1983 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Public Works
PROGRAM: Sewage

PROJECT DETAIL SHEET

PROJECT NO: S83-13

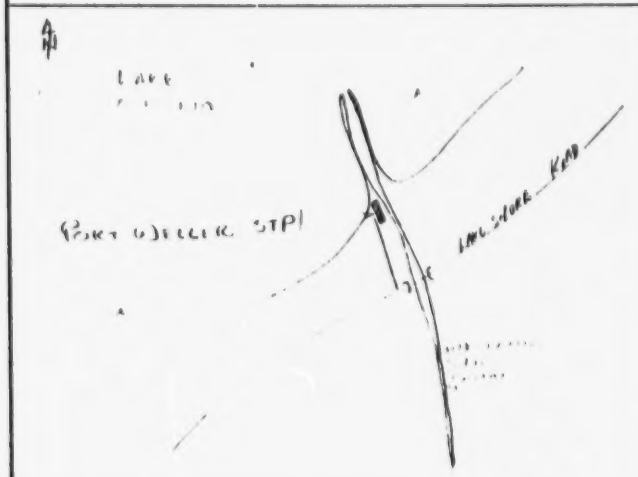
PROJECT LOCATION & DESCRIPTION

Insulate Digester Roofs at Port Weller Sewage Treatment Plant, City of St. Catharines

PROPOSED START DATE: July 1983

PROPOSED COMPLETION DATE: August 1983

LOCATION PLAN



CAPITAL COST

LAND, BLDGS. & MAJOR IMPROVEMENTS	$
FURNITURE & EQUIPMENT	
CONSTRUCTION SERVICES:	
CONTRACTOR	26,000
REGIONAL	
ENGINEERING	1,000
TEMPORARY FINANCING	2,000
CONTINGENCY	1,000
1983 COSTS	$ 30,000
PRIOR/SUBSEQUENT YEAR COSTS:	
YEAR	
YEAR	
TOTAL PROJECT COSTS	$ 30,000

FINANCING

TAX LEVY OR USER CHARGE	$
SUBSIDY & CONTRIBUTIONS:	
Capital levy	30,000
DEBENTURES:	
PRIOR YEARS	
198	
1983 FINANCING	$ 30,000
PRIOR/SUBSEQUENT YEARS' FINANCING:	
YEAR	
YEAR	
TOTAL PROJECT FINANCING	$ 30,000

NEED FOR THE PROJECT

Insulation of the digester roofs will reduce the heating cost for the digesters, which will result in the purchase of less natural gas. In addition, there are some publications which would suggest that by insulating the digester roof, the interior coating life can be greatly extended as the insulation reduces thermal stress across the roof.

IMPACT ON OPERATING COSTS

NEW STAFF:
No. $
OTHER COSTS
TOTAL $

THE REGIONAL MUNICIPALITY OF NIAGARA

1983 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara

DEPARTMENT: Public Works

PROGRAM: Sewage

PROJECT DETAIL SHEET

PROJECT NO: S83-14

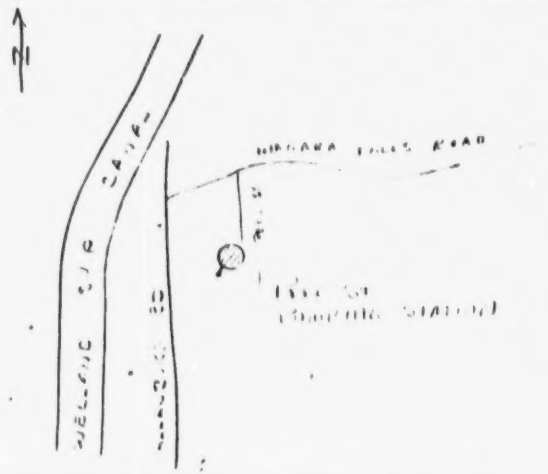
PROJECT LOCATION & DESCRIPTION

New Pump Controls, Peel Street Pumping Station, St. Catharines/Thorold

PROPOSED START DATE: August 1983

PROPOSED COMPLETION DATE: October 1983

LOCATION PLAN



CAPITAL COST

LAND, BLDGS. & MAJOR IMPROVEMENTS	$
FURNITURE & EQUIPMENT	
CONSTRUCTION SERVICES:	
CONTRACTOR	92,000
REGIONAL	
ENGINEERING	20,000
TEMPORARY FINANCING	8,000
CONTINGENCY	10,000
1983 COSTS	$ 120,000
PRIOR/SUBSEQUENT YEAR COSTS:	
YEAR	
YEAR	
TOTAL PROJECT COSTS	$ 120,000

FINANCING

TAX LEVY OR USER CHARGE	$
SUBSIDY & CONTRIBUTIONS:	
Capital levy	120,000
DEBENTURES:	
PRIOR YEARS	
198_	
1983 FINANCING	$ 120,000
PRIOR/SUBSEQUENT YEARS' FINANCING:	
YEAR	
YEAR	
TOTAL PROJECT FINANCING	$ 120,000

NEED FOR THE PROJECT

The existing variable speed controls at the Peel Street pumping station have failed once again. The firm originally manufacturing the controls is no longer in business. A new control system is required to operate the pumps effectively.

IMPACT ON OPERATING COSTS

NEW STAFF:

No. $

OTHER COSTS

TOTAL $

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THE REGIONAL MUNICIPALITY OF NIAGARA

1983 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Public Works
PROGRAM: Sewage

PROJECT DETAIL SHEET

PROJECT NO: 883-15

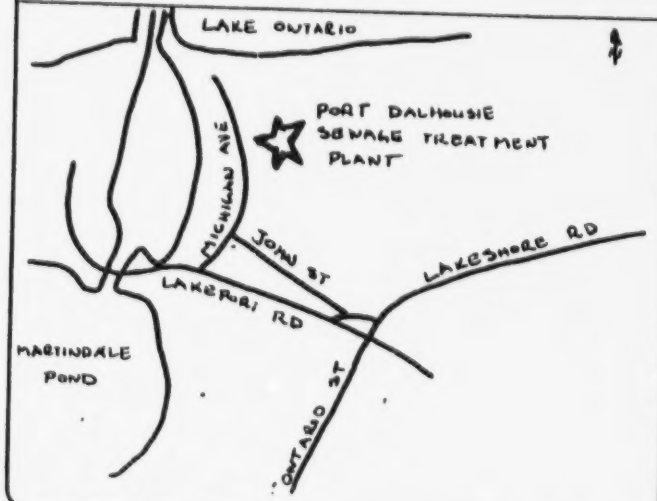
PROJECT LOCATION & DESCRIPTION

Investigation, Port Dalhousie Sewage Treatment Plant, Detritor Influent Channel Hydraulics and Engineering for Modifications, City of St. Catharines

PROPOSED START DATE: May 1983

PROPOSED COMPLETION DATE: August 1983

LOCATION PLAN



CAPITAL COST

LAND, BLDGS. & MAJOR IMPROVEMENTS	$
FURNITURE & EQUIPMENT	
CONSTRUCTION SERVICES:	
CONTRACTOR	
REGIONAL	
ENGINEERING	42,000
TEMPORARY FINANCING	3,000
CONTINGENCY	
1983 COSTS	$ 45,000
PRIOR/SUBSEQUENT YEAR COSTS:	
YEAR	
YEAR	
TOTAL PROJECT COSTS	$ 45,000

FINANCING

TAX LEVY OR USER CHARGE	$
SUBSIDY & CONTRIBUTIONS:	
Capital levy	45,000
DEBENTURES:	
PRIOR YEARS	
198__	
1983 FINANCING	$ 45,000
PRIOR/SUBSEQUENT YEARS' FINANCING:	
YEAR	
YEAR	
TOTAL PROJECT FINANCING	$ 45,000

NEED FOR THE PROJECT

An investigation undertaken by Pollutech in 1982 indicated that the detritor hydraulics are resulting in grit carryover into the primary clarifiers. It appears as though the influent channels will require modification to increase efficiencies of the detritors and assistance is required from an expert in hydraulics.

IMPACT ON OPERATING COSTS

NEW STAFF:

No. ____ $

OTHER COSTS

TOTAL $

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THE REGIONAL MUNICIPALITY OF NIAGARA

1983 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Public Works
PROGRAM: Sewage

PROJECT DETAIL SHEET

PROJECT NO: S83-16

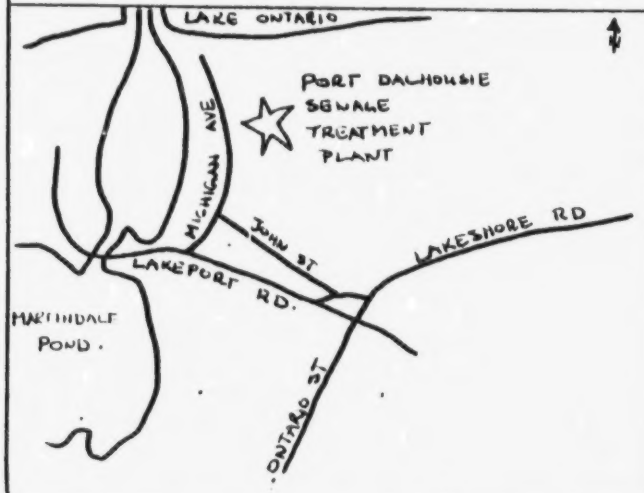
PROJECT LOCATION & DESCRIPTION

Modifications to Activated Sludge Return System and Digester Supernatant Return, Port Dalhousie Sewage Treatment Plant, City of St. Catharines

PROPOSED START DATE: May 1983

PROPOSED COMPLETION DATE: September 1983

LOCATION PLAN



CAPITAL COST

LAND, BLDGS & MAJOR IMPROVEMENTS	$
FURNITURE & EQUIPMENT	
CONSTRUCTION SERVICES:	
CONTRACTOR	133,000
REGIONAL	5,000
ENGINEERING	15,000
TEMPORARY FINANCING	12,000
CONTINGENCY	10,000
1983 COSTS	$ 175,000
PRIOR/SUBSEQUENT YEAR COSTS:	
YEAR	
YEAR	
TOTAL PROJECT COSTS	$ 175,000

FINANCING

TAX LEVY OR USER CHARGE	$
SUBSIDY & CONTRIBUTIONS:	
Capital levy	108,000
DEBENTURES:	
PRIOR YEARS	
1983	67,000 67,000
1983 FINANCING	$ 175,000
PRIOR/SUBSEQUENT YEARS' FINANCING:	
YEAR	
YEAR	
TOTAL PROJECT FINANCING	$ 175,000

NEED FOR THE PROJECT

The activated sludge return system and the supernatant return system at the Port Dalhousie sewage treatment plant have been identified as bottlenecks which inhibit the efficient operation of the plant. By upgrading these systems, it will be possible to provide for better plant operation and hopefully, permit increased flows without an expansion.

IMPACT ON OPERATING COSTS

NEW STAFF:

No. $

OTHER COSTS

TOTAL $

B1001 (Cap) (Rev: 2-81)

THE REGIONAL MUNICIPALITY OF NIAGARA

1983 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Public Works
PROGRAM: Sewage

PROJECT DETAIL SHEET

PROJECT NO: 383 17

PROJECT LOCATION & DESCRIPTION

Provision of Secondary Treatment at the Niagara Falls Sewage Treatment Plant, City of Niagara Falls

PROPOSED START DATE: June 1983

PROPOSED COMPLETION DATE: September 1985

LOCATION PLAN

CAPITAL COST

LAND, BLDGS. & MAJOR IMPROVEMENTS	$
FURNITURE & EQUIPMENT	
CONSTRUCTION SERVICES:	
CONTRACTOR	
REGIONAL	3,910,000
ENGINEERING	650,000
TEMPORARY FINANCING	200,000
CONTINGENCY	50,000
1983 COSTS	$ 4,810,000
PRIOR/SUBSEQUENT YEAR COSTS:	
YEAR 1984	3,190,000
YEAR	
TOTAL PROJECT COSTS	$ 8,000,000

FINANCING

TAX LEVY OR USER CHARGE		$
SUBSIDY & CONTRIBUTIONS:		
Capital levy		80,000
Federal grant		3,000,000
Provincial grant		1,000,000
DEBENTURES:		
PRIOR YEARS		
1983	730,000	730,000
1983 FINANCING		$ 4,810,000
PRIOR/SUBSEQUENT YEARS' FINANCING:		
YEAR 1984		3,190,000
YEAR		
TOTAL PROJECT FINANCING		$ 8,000,000

NEED FOR THE PROJECT

IMPACT ON OPERATING COSTS

NEW STAFF:	
No.	$
OTHER COSTS	60,000
TOTAL	$ 60,000

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THE REGIONAL MUNICIPALITY OF NIAGARA

1983 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Public Works
PROGRAM: Sewage
PROJECT YEAR: 1984

PROJECT NUMBER	DESCRIPTION & LOCATION	GROSS EXPENDITURE	REVENUE			DEBENTURES	PRIOR APPROVALS	O. M. B. APPROVAL REQUIRED
			TAX LEVY OR USER CHARGE	SUBSIDY & CONTRIBUTIONS				
				AMOUNT	SOURCE			
S83-17	Provision of Secondary Treatment at the Niagara Falls Sewage Treatment Plant	3,190,000		200,000 1,000,000	Provincial Cap. levy			
						1,990,000		1,990,000
	TOTAL	3,190,000		1,200,000		1,990,000		1,990,000
	No allocations are provided at this time for Port Robinson, Thorold; Crystal Beach, Fort Erie; and Anger Avenue, Fort Erie.							

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THE REGIONAL MUNICIPALITY OF NIAGARA

1983 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Public Works
PROGRAM: Sewage
PROJECT YEAR: 1985

PROJECT NUMBER	DESCRIPTION & LOCATION	GROSS EXPENDITURE	REVENUE			DEBENTURES	PRIOR APPROVALS	O. M. B. APPROVAL REQUIRED
			TAX LEVY OR USER CHARGE	SUBSIDY & CONTRIBUTIONS				
				AMOUNT	SOURCE			
S85-1	Engineering Investigation for Site for South End Sewage Treatment Plant Niagara Falls Detailed including Environmental Assessment	50,000		50,000	Cap. levy			
S85-2	Secondary Clarifier Addition at Port Weller Sewage Treatment Plant, St. Catharines Construction	850,000		850,000	Cap. levy	100,000		100,000
S85-3	Servicing of Thunder Bay Area, Fort Erie (Regional Portion)	695,000		45,000	Cap. levy	650,000		650,000
S85-4	Odour Control, Vineland/ Beamsville Forcemains	50,000		50,000	Cap. levy			
S85-5	Detritor Modifications, Port Dalhousie Sewage Treatment Plant, St. Catharines	250,000				250,000		250,000
S85-6	Refurbish Eastchester, Pumping Station, St. Catharines	75,000		75,000	Cap. levy			
S85-7	Expansion of Grit Removal Facilities, Welland	30,000		30,000	Cap. levy			
	TOTAL	2,000,000		1,000,000		1,000,000		1,000,000

81002 (Cap) (Rev: - 1-81)

THE REGIONAL MUNICIPALITY OF NIAGARA

1983 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Public Works
PROGRAM: Sewage
PROJECT YEAR: 1986

PROJECT NUMBER	DESCRIPTION & LOCATION	GROSS EXPENDITURE	REVENUE			DEBENTURES	PRIOR APPROVALS	O. M. B. APPROVAL REQUIRED
			TAX LEVY OR USER CHARGE	SUBSIDY & CONTRIBUTIONS				
				AMOUNT	SOURCE			
S85-1	Engineering Investigation for Site for South End Sewage Treatment Plant Niagara Falls Detailed including Environmental Assessment	75,000		75,000	Cap. levy			
S85-2	Secondary Clarifier Addition at Port Weller Sewage Treatment Plant, St. Catharines Construction	750,000		750,000	Cap. levy			
S85-3	Allocation for Possible Industrial Development Requiring Regional Servicing and Complying With Regulatory Requirements	650,000				650,000		650,000
S85-7	Expansion of Grit Removal Facilities, Welland Construction	575,000		135,000	Cap. levy	440,000		440,000
S86-1	Energy Conservation Measures at Various Plants and Pumping Stations	40,000		40,000	Cap. levy			
	TOTAL	2,090,000		1,000,000		1,090,000		1,090,000

81002 (Cap) (Rev: - 1-81)

THE REGIONAL MUNICIPALITY OF NIAGARA

1983 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Public Works
PROGRAM: Sewage
PROJECT YEAR: 1987

PROJECT NUMBER	DESCRIPTION & LOCATION	GROSS EXPENDITURE	REVENUE			DEBENTURES	PRIOR APPROVALS	O. M. B. APPROVAL REQUIRED
			TAX LEVY OR USER CHARGE	SUBSIDY & CONTRIBUTIONS				
				AMOUNT	SOURCE			
S85-1	Property Purchase (20 Ac.) for South End Sewage Treatment Plant Niagara Falls	300,000		300,000	Cap. levy			
S85-3	Allocation for Possible Industrial Development Requiring Regional Servicing for Complying With Regulatory Requirements	1,000,000		650,000	Cap. levy	350,000		350,000
S86-1	Energy Conservation Measures at Various Plants and Pumping Stations	50,000		50,000	Cap. levy			
S87-1	Process Control for Various Sewage Treatment Plants	650,000		650,000	Cap. levy			
	TOTAL	2,000,000		1,650,000		350,000		350,000
	No allocations are provided at this time for Port Robinson, Thorold; Crystal Beach, Fort Erie; and Anger Avenue, Fort Erie.							

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SECTION 8

PUBLIC WORKS

WATER WORKS

THE REGIONAL MUNICIPALITY OF NIAGARA

1983 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Public Works
PROGRAM: Water
PROJECT YEAR: 1983

PROJECT NUMBER	DESCRIPTION & LOCATION	GROSS EXPENDITURE	REVENUE			DEBENTURES	PRIOR APPROVALS	O. M. B. APPROVAL REQUIRED
			TAX LEVY OR USER CHARGE	SUBSIDY & CONTRIBUTIONS				
				AMOUNT	SOURCE			
W83-1	Demolition of Crystal Beach Elevated Tank, Port Erie	20,000		20,000	Cap. levy			
W83-2	Inspection, Engineering, Evaluation and Minor Repairs to Grimsby Water Treatment Plant Intake, Grimsby	45,000		45,000	Cap. levy			
W83-3)	Ontario Street Water Main							
)	Lincoln	530,000		(247,000	Cap. levy			
)				(15,000	COED	268,000		268,000
W83-4)	Green Lane Water Main	360,000		(10,000	COED	350,000		350,000
)	Lincoln							
W83-5	Upgrading Filter Control Valves, Piping and Controllers and Installation of Surface Wash Agitators at Niagara Falls Water Treatment Plant - Engineering Old Plant	75,000		75,000	Cap. levy			
W83-6	Engineering Evaluation of Built-up Roofing, Niagara Falls Water Treatment Plant	25,000		25,000	Cap. levy			
W83-7	Bunting Road Water Main, Queenston to Eastchester St. Catharines (1982 allocation - $152,000)	363,000		343,000 20,000	Cap. levy COED			
W83-8	DeCew Sludge Handling St. Catharines	215,000		215,000	Cap. levy			
W83-9	30-inch Diameter Canal Crossing of Abandoned Canal Welland	340,000		15,000	COED	325,000		325,000
W83-10	General Energy Efficiency Expenditures	30,000		30,000	Cap. levy			
	TOTAL	2,003,000		1,060,000		943,000		943,000

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THE REGIONAL MUNICIPALITY OF NIAGARA

1983 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Public Works
PROGRAM: Water

PROJECT DETAIL SHEET

PROJECT NO: WBS-1

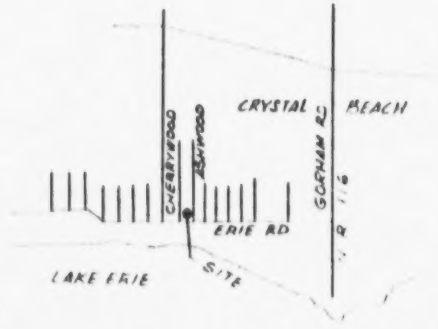
PROJECT LOCATION & DESCRIPTION

Demolition of Crystal Beach Elevated Tank, Town of Fort Erie

PROPOSED START DATE: June 1983

PROPOSED COMPLETION DATE: August 1983

LOCATION PLAN



CAPITAL COST

LAND, BLDGS. & MAJOR IMPROVEMENTS	$
FURNITURE & EQUIPMENT	
CONSTRUCTION SERVICES:	
CONTRACTOR	
REGIONAL	17,800
ENGINEERING	1,000
TEMPORARY FINANCING	1,200
CONTINGENCY	
1983 COSTS	$ 20,000
PRIOR/SUBSEQUENT YEAR COSTS:	
YEAR	
YEAR	
TOTAL PROJECT COSTS	$ 20,000

FINANCING

TAX LEVY OR USER CHARGE	$
SUBSIDY & CONTRIBUTIONS:	
Capital levy	20,000
DEBENTURES:	
PRIOR YEARS	
198_	
1983 FINANCING	$ 20,000
PRIOR/SUBSEQUENT YEARS' FINANCING:	
YEAR	
YEAR	
TOTAL PROJECT FINANCING	$ 20,000

NEED FOR THE PROJECT

The Crystal Beach elevated tank site has been declared surplus to Regional needs. The tank must be demolished to provide for sale of the building.

IMPACT ON OPERATING COSTS

NEW STAFF:

No. $

OTHER COSTS

TOTAL $

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THE REGIONAL MUNICIPALITY OF NIAGARA

1983 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara

DEPARTMENT: Public Works

PROGRAM: Water

PROJECT DETAIL SHEET

PROJECT NO: W83 2

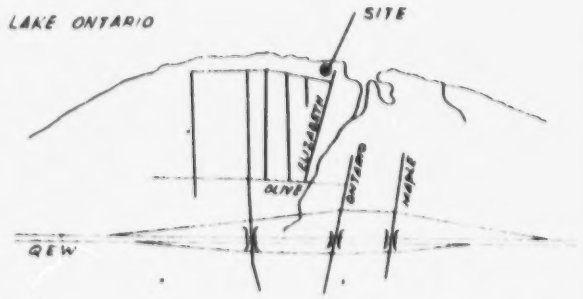
PROJECT LOCATION & DESCRIPTION

Inspection, Engineering, Evaluation and Minor Repairs to Grimsby Water Treatment Plant Intake, Town of Grimsby

PROPOSED START DATE: September 1983

PROPOSED COMPLETION DATE: November 1983

LOCATION PLAN



CAPITAL COST

LAND, BLDGS. & MAJOR IMPROVEMENTS	$
FURNITURE & EQUIPMENT	
CONSTRUCTION SERVICES:	
CONTRACTOR	15,000
REGIONAL	2,300
ENGINEERING	25,000
TEMPORARY FINANCING	2,700
CONTINGENCY	
1983 COSTS	$ 45,000
PRIOR/SUBSEQUENT YEAR COSTS:	
YEAR	
YEAR	
TOTAL PROJECT COSTS	$ 45,000

FINANCING

TAX LEVY OR USER CHARGE	$
SUBSIDY & CONTRIBUTIONS:	
Capital levy	45,000
DEBENTURES:	
PRIOR YEARS	
198	
1983 FINANCING	$ 45,000
PRIOR/SUBSEQUENT YEARS' FINANCING:	
YEAR	
YEAR	
TOTAL PROJECT FINANCING	$ 45,000

NEED FOR THE PROJECT

Operations Division has confirmed that the existing intake has leaks that require repairs and therefore an inspection is warranted.

IMPACT ON OPERATING COSTS

NEW STAFF:

No. $

OTHER COSTS

TOTAL $

THE REGIONAL MUNICIPALITY OF NIAGARA

1983 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara

DEPARTMENT: Public Works

PROGRAM: Water

PROJECT DETAIL SHEET

PROJECT NO: 883-3

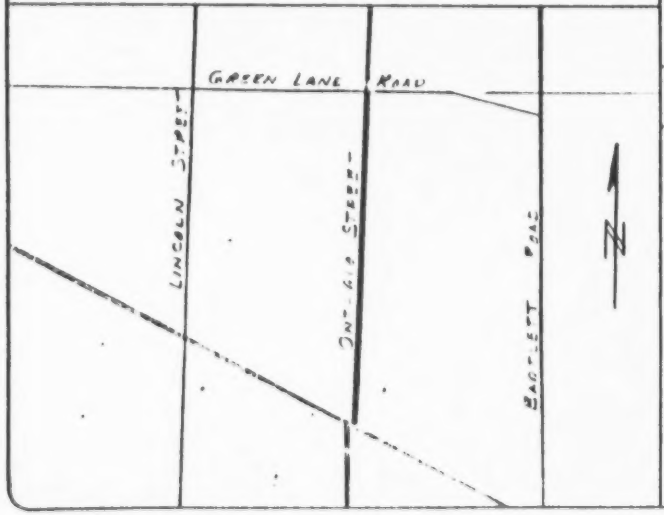
PROJECT LOCATION & DESCRIPTION

Ontario Street Water Main, Town of Lincoln

PROPOSED START DATE: May 1983

PROPOSED COMPLETION DATE: December 1983

LOCATION PLAN



CAPITAL COST

LAND, BLDGS. & MAJOR IMPROVEMENTS	$
FURNITURE & EQUIPMENT	
CONSTRUCTION SERVICES:	
CONTRACTOR	440,000
REGIONAL	
ENGINEERING	43,000
TEMPORARY FINANCING	37,000
CONTINGENCY	10,000
1983 COSTS	$ 530,000
PRIOR/SUBSEQUENT YEAR COSTS:	
YEAR	
YEAR	
TOTAL PROJECT COSTS	$ 530,000

FINANCING

TAX LEVY OR USER CHARGE	$
SUBSIDY & CONTRIBUTIONS:	
Capital levy	247,000
COED	15,000
DEBENTURES:	
PRIOR YEARS	
1983	268,000
1983 FINANCING	$ 530,000
PRIOR/SUBSEQUENT YEARS' FINANCING:	
YEAR	
YEAR	
TOTAL PROJECT FINANCING	$ 530,000

NEED FOR THE PROJECT

In order to provide for future growth and to assist in the operation of the existing distribution system between the plant and the Beamsville reservoir, a new Regional facility is required. In the future, the main will be extended westerly to provide for the integration of the Beamsville and Grimsby systems.

IMPACT ON OPERATING COSTS

NEW STAFF:

No. $

OTHER COSTS

TOTAL $

THE REGIONAL MUNICIPALITY OF NIAGARA

1983 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Public Works
PROGRAM: Water

PROJECT DETAIL SHEET

PROJECT NO: W83-1

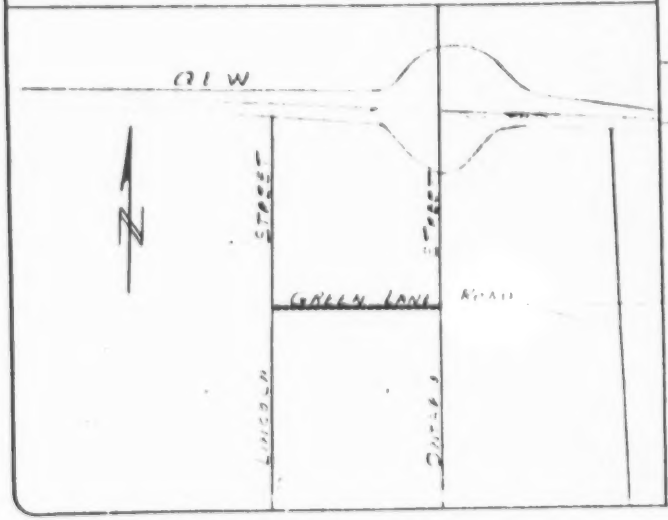
PROJECT LOCATION & DESCRIPTION

Green Lane Water Main, Town of Lincoln

PROPOSED START DATE: May 1983

PROPOSED COMPLETION DATE: December 1983

LOCATION PLAN



CAPITAL COST

LAND, BLDGS. & MAJOR IMPROVEMENTS	$
FURNITURE & EQUIPMENT	
CONSTRUCTION SERVICES:	
CONTRACTOR	300,000
REGIONAL	
ENGINEERING	30,000
TEMPORARY FINANCING	24,000
CONTINGENCY	6,000
1983 COSTS	$ 360,000
PRIOR/SUBSEQUENT YEAR COSTS:	
YEAR	
YEAR	
TOTAL PROJECT COSTS	$ 360,000

FINANCING

TAX LEVY OR USER CHARGE	$
SUBSIDY & CONTRIBUTIONS:	
CODED	10,000
DEBENTURES:	
PRIOR YEARS	
1983	350,000 350,000
1983 FINANCING	$ 360,000
PRIOR/SUBSEQUENT YEARS' FINANCING:	
YEAR	
YEAR	
TOTAL PROJECT FINANCING	$ 360,000

NEED FOR THE PROJECT

In order to provide for future growth and to assist in the operation of the existing distribution system between the plant and the Beamsville reservoir, a new Regional facility is required. In the future, the main will be extended westerly to provide for the integration of the Beamsville and Grimsby systems.

IMPACT ON OPERATING COSTS

NEW STAFF:
No. $
OTHER COSTS
TOTAL $

THE REGIONAL MUNICIPALITY OF NIAGARA

1983 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara

DEPARTMENT: Public Works

PROGRAM: Water

PROJECT DETAIL SHEET

PROJECT NO: W83 5

PROJECT LOCATION & DESCRIPTION

Upgrading Filter Control Valves, Piping, and Controllers and Installation of Surface Wash Agitators at Niagara Falls Water Treatment Plant--Engineering Old Plant

PROPOSED START DATE: August 1983

PROPOSED COMPLETION DATE: Ongoing

LOCATION PLAN

CAPITAL COST

LAND, BLDGS. & MAJOR IMPROVEMENTS	$
FURNITURE & EQUIPMENT	
CONSTRUCTION SERVICES.	
CONTRACTOR	2,655,000
REGIONAL	
ENGINEERING	300,000
TEMPORARY FINANCING	150,000
CONTINGENCY	
1983 COSTS	$ 75,000

PRIOR/SUBSEQUENT YEAR COSTS:

YEAR 1984	1,535,000
YEAR 1985	1,500,000
TOTAL PROJECT COSTS	$ 3,110,000

FINANCING

TAX LEVY OR USER CHARGE	$
SUBSIDY & CONTRIBUTIONS:	
Capital levy	75,000
DEBENTURES:	
PRIOR YEARS	
198	
1983 FINANCING	$ 75,000

PRIOR/SUBSEQUENT YEARS' FINANCING:

YEAR 1984	1,535,000
YEAR 1985	1,500,000
TOTAL PROJECT FINANCING	$ 3,110,000

NEED FOR THE PROJECT

The existing filter control valves, piping and controllers at the Niagara Falls plant are a constant source of maintenance and in need of repairs. In addition, the old section of the plant is not equipped with surface wash digesters. It is proposed to investigate the installation of micro-process controllers when upgrading the facilities.

IMPACT ON OPERATING COSTS

NEW STAFF:	
No.	$
OTHER COSTS	
TOTAL	$

THE REGIONAL MUNICIPALITY OF NIAGARA

1983 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Public Works
PROGRAM: Water

PROJECT DETAIL SHEET

PROJECT NO: W83-6

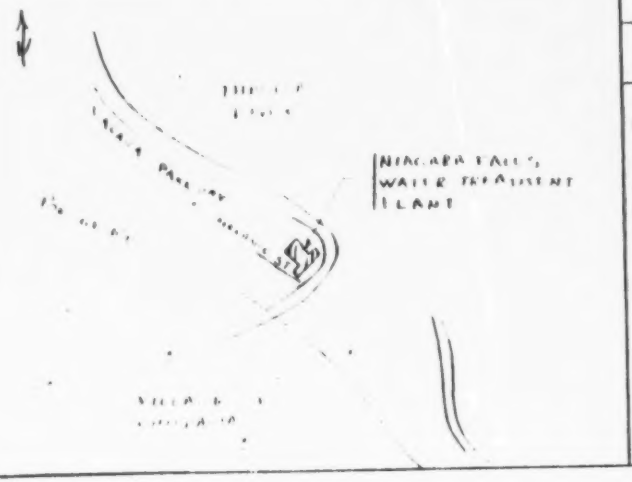
PROJECT LOCATION & DESCRIPTION

Engineering Evaluation of Built-up Roofing, Niagara Falls Water Treatment Plant

PROPOSED START DATE: June 1983

PROPOSED COMPLETION DATE: July 1983

LOCATION PLAN



CAPITAL COST

LAND, BLDGS. & MAJOR IMPROVEMENTS	$
FURNITURE & EQUIPMENT	
CONSTRUCTION SERVICES:	
CONTRACTOR	200,000
REGIONAL	
ENGINEERING	23,000
TEMPORARY FINANCING	2,000
CONTINGENCY	
1983 COSTS	$ 25,000
PRIOR/SUBSEQUENT YEAR COSTS:	
YEAR 1984	200,000
YEAR	
TOTAL PROJECT COSTS	$ 225,000

FINANCING

TAX LEVY OR USER CHARGE	$
SUBSIDY & CONTRIBUTIONS:	
Capital levy	25,000
DEBENTURES:	
PRIOR YEARS	
198_	
1983 FINANCING	$ 25,000
PRIOR/SUBSEQUENT YEARS' FINANCING:	
YEAR 1984	200,000
YEAR	
TOTAL PROJECT FINANCING	$ 225,000

NEED FOR THE PROJECT

Our Operations Division advises that the existing roof is in need of repairs. Consequently, it is proposed to hire a firm who specializes in the evaluation of built-up roofing systems for recommendations as to repairs and/or replacement.

IMPACT ON OPERATING COSTS

NEW STAFF:

No. $

OTHER COSTS

TOTAL $

THE REGIONAL MUNICIPALITY OF NIAGARA

1983 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Public Works
PROGRAM: Water

PROJECT DETAIL SHEET

PROJECT NO: W83-7

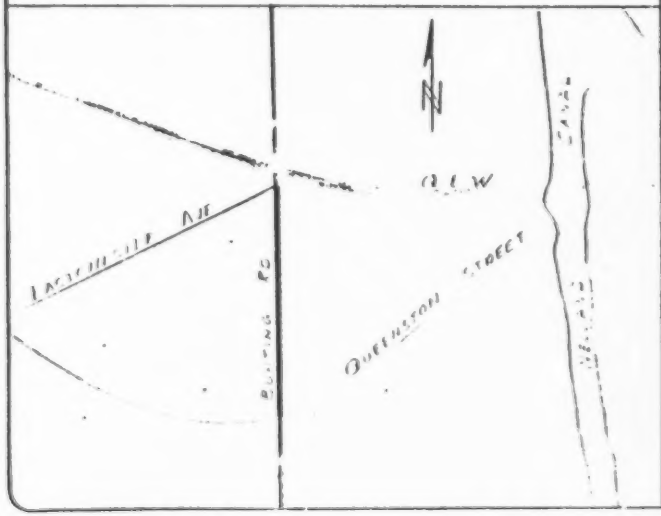
PROJECT LOCATION & DESCRIPTION

Bunting Road Water Main, Queenston to Eastchester
City of St. Catharines

PROPOSED START DATE: September 1983

PROPOSED COMPLETION DATE: December 1983

LOCATION PLAN



CAPITAL COST

LAND, BLDGS. & MAJOR IMPROVEMENTS	$
FURNITURE & EQUIPMENT	
CONSTRUCTION SERVICES:	
CONTRACTOR	454,000
REGIONAL	
ENGINEERING	20,000
TEMPORARY FINANCING	31,000
CONTINGENCY	10,000
1983 COSTS	$ 363,000
PRIOR/SUBSEQUENT YEAR COSTS:	
YEAR 1982	152,000
YEAR	
TOTAL PROJECT COSTS	$ 515,000

FINANCING

TAX LEVY OR USER CHARGE	$
SUBSIDY & CONTRIBUTIONS:	
Capital levy	313,000
COED	20,000
DEBENTURES:	
PRIOR YEARS	
198	
1983 FINANCING	$ 363,000
PRIOR/SUBSEQUENT YEARS' FINANCING:	
YEAR 1982	152,000
YEAR	
TOTAL PROJECT FINANCING	$ 515,000

NEED FOR THE PROJECT

In order to meet future supply needs and to alleviate existing distribution problems, it is proposed to install a 36-inch diameter water main along Bunting Road from Queenston Street to Eastchester Street. The work is being coordinated with the reconstruction of Bunting Road.

IMPACT ON OPERATING COSTS

NEW STAFF:

No. $

OTHER COSTS

TOTAL $

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THE REGIONAL MUNICIPALITY OF NIAGARA

1983 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Public Works
PROGRAM: Water

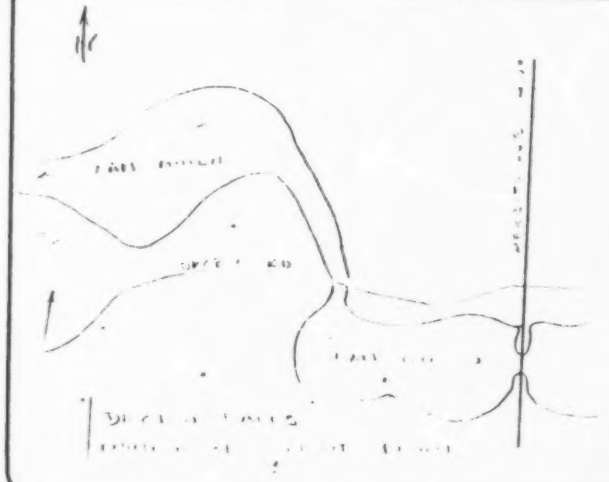
PROJECT DETAIL SHEET
PROJECT NO: W83-8

PROJECT LOCATION & DESCRIPTION

DeCew Sludge Handling, City of St. Catharines

PROPOSED START DATE: April 1983
PROPOSED COMPLETION DATE: November 1983

LOCATION PLAN



CAPITAL COST

LAND, BLDGS. & MAJOR IMPROVEMENTS	$
FURNITURE & EQUIPMENT	
CONSTRUCTION SERVICES:	
CONTRACTOR	199,000
REGIONAL	
ENGINEERING	5,000
TEMPORARY FINANCING	11,000
CONTINGENCY	
1983 COSTS	$ 215,000
PRIOR/SUBSEQUENT YEAR COSTS:	
YEAR	
YEAR	
TOTAL PROJECT COSTS	$ 215,000

FINANCING

TAX LEVY OR USER CHARGE	$
SUBSIDY & CONTRIBUTIONS:	
Capital levy	215,000
DEBENTURES:	
PRIOR YEARS	
198__	
1983 FINANCING	$ 215,000
PRIOR/SUBSEQUENT YEARS' FINANCING:	
YEAR	
YEAR	
TOTAL PROJECT FINANCING	$ 215,000

NEED FOR THE PROJECT

At the direction of the Ministry of the Environment, alternative methods of disposing of backwash and sedimentation basin sludges must be implemented at the Decew Falls water treatment plant. This work must be undertaken as soon as possible.

IMPACT ON OPERATING COSTS

NEW STAFF:
No. $
OTHER COSTS
TOTAL $

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THE REGIONAL MUNICIPALITY OF NIAGARA

1983 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara

DEPARTMENT: Public Works

PROGRAM: Water

PROJECT DETAIL SHEET

PROJECT NO: W83-9

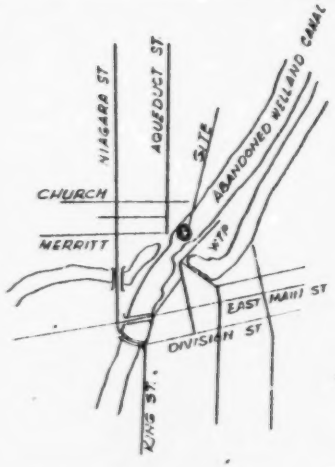
PROJECT LOCATION & DESCRIPTION

30-inch Diameter Canal Crossing of Abandoned Canal, City of Welland

PROPOSED START DATE: September 1983

PROPOSED COMPLETION DATE: December 1983

LOCATION PLAN



CAPITAL COST

LAND, BLDGS. & MAJOR IMPROVEMENTS	$
FURNITURE & EQUIPMENT	
CONSTRUCTION SERVICES:	
CONTRACTOR	275,000
REGIONAL	
ENGINEERING	25,000
TEMPORARY FINANCING	25,000
CONTINGENCY	15,000
1983 COSTS	$ 340,000
PRIOR/SUBSEQUENT YEAR COSTS:	
YEAR	
YEAR	
TOTAL PROJECT COSTS	$ 340,000

FINANCING

TAX LEVY OR USER CHARGE		$
SUBSIDY & CONTRIBUTIONS:		
COED		15,000
DEBENTURES:		
PRIOR YEARS		
1983	325,000	325,000
1983 FINANCING		$ 340,000
PRIOR/SUBSEQUENT YEARS' FINANCING:		
YEAR		
YEAR		
TOTAL PROJECT FINANCING		$ 340,000

NEED FOR THE PROJECT

The existing water supply to the west side of the abandoned canal in the City of Welland is via a twin 16-inch diameter water main installed in the siphon crossing. The mains are cast iron and are about fifty years old and flow tests indicate they have an excessive head loss. In addition, there are concerns about the remaining life of the pipes. It is therefore proposed to install a new 30-inch diameter water main parallel to the siphon to supply for immediate needs and future growth on the west side of the canal.

IMPACT ON OPERATING COSTS

NEW STAFF:

No. _____ $

OTHER COSTS

TOTAL $

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THE REGIONAL MUNICIPALITY OF NIAGARA

1983 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara

DEPARTMENT: Public Works

PROGRAM: Water

PROJECT DETAIL SHEET

PROJECT NO: W83-10

PROJECT LOCATION & DESCRIPTION

General Energy Efficiency Expenditures

PROPOSED START DATE: April 1983

PROPOSED COMPLETION DATE: Ongoing

LOCATION PLAN

CAPITAL COST

LAND, BLDGS. & MAJOR IMPROVEMENTS	$
FURNITURE & EQUIPMENT	
CONSTRUCTION SERVICES:	
CONTRACTOR	13,000
REGIONAL	10,000
ENGINEERING	5,000
TEMPORARY FINANCING	2,000
CONTINGENCY	
1983 COSTS	$ 30,000
PRIOR/SUBSEQUENT YEAR COSTS:	
YEAR	
YEAR	
TOTAL PROJECT COSTS	$ 30,000

FINANCING

TAX LEVY OR USER CHARGE	$
SUBSIDY & CONTRIBUTIONS:	
Capital levy	30,000
DEBENTURES:	
PRIOR YEARS	
198__	
1983 FINANCING	$ 30,000
PRIOR/SUBSEQUENT YEARS' FINANCING:	
YEAR	
YEAR	
TOTAL PROJECT FINANCING	$ 30,000

NEED FOR THE PROJECT

It is proposed to investigate the various areas in our water works system where for minor capital costs, significant energy savings can be realized.

IMPACT ON OPERATING COSTS

NEW STAFF:

No. $

OTHER COSTS

TOTAL $

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THE REGIONAL MUNICIPALITY OF NIAGARA

1983 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Public Works
PROGRAM: Water
PROJECT YEAR: 1984

PROJECT NUMBER	DESCRIPTION & LOCATION	GROSS EXPENDITURE	REVENUE			DEBENTURES	PRIOR APPROVALS	O. M. B. APPROVAL REQUIRED
			TAX LEVY OR USER CHARGE	SUBSIDY & CONTRIBUTIONS				
				AMOUNT	SOURCE			
W83-5	Upgrading Filter Control Valves, Piping and Controllers and Installation of Surface Wash Agitators at Niagara Falls Water Treatment Plant							
	- Upgrading of Old Plant	1,500,000				1,500,000		1,500,000
	- Engineering for Plant 2	35,000		35,000	Cap. levy			
W83-6	Engineering Evaluation of Built-up Roofing, Niagara Falls Water Treatment Plant							
	- Replacement of Roof	200,000		200,000	Cap. levy			
W84-1	Niagara Falls Water Treatment Plant							
	- Replacement of Windows	100,000		100,000	Cap. levy			
W84-2	Site for 20 ML Reservoir and Environmental Assessment Niagara-on-the-Lake	75,000		75,000	Cap. levy			
W84-3	Engineering and Construction for Fenwick Elevated Tank and 1400 ft. Connecting Water Main Extension, Pelham	790,000		790,000	Cap. levy			
	TOTAL	2,700,000		1,200,000		1,500,000		1,500,000

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THE REGIONAL MUNICIPALITY OF NIAGARA

1983 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Public Works
PROGRAM: Water

PROJECT YEAR: 1985

PROJECT NUMBER	DESCRIPTION & LOCATION	GROSS EXPENDITURE	REVENUE			DEBENTURES	PRIOR APPROVALS	O. M. B. APPROVAL REQUIRED
			TAX LEVY OR USER CHARGE	SUBSIDY & CONTRIBUTIONS				
				AMOUNT	SOURCE			
W83-5	Upgrading Filter Control Valves, Piping and Controllers and Installation of Surface Wash Agitators at Niagara Falls Water Treatment Plant - Upgrading Plant 2	1,500,000		500,000	Cap. levy	1,000,000		1,000,000
W84-2	Design for 20 ML Reservoir Niagara-on-the-Lake	100,000		100,000	Cap. levy			
	Partial allocation for construction	550,000		550,000	Cap. levy			
W85-1	Regional Trunk Facilities for Industrial Development	150,000		150,000	Cap. levy			
W85-2	Sewer Connection to Water Treatment Plant for Discharge of Back Wash Wastes to Welland Sewage Treatment Plant, Welland	200,000		200,000	Cap. levy			
	TOTAL	2,500,000		1,500,000		1,000,000		1,000,000

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THE REGIONAL MUNICIPALITY OF NIAGARA

1983 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Public Works
PROGRAM: Water

PROJECT YEAR: 1986

PROJECT NUMBER	DESCRIPTION & LOCATION	GROSS EXPENDITURE	REVENUE			DEBENTURES	PRIOR APPROVALS	O. M. B. APPROVAL REQUIRED
			TAX LEVY OR USER CHARGE	SUBSIDY & CONTRIBUTIONS				
				AMOUNT	SOURCE			
W84-2	Remaining Allocation, Construction of 20 ML Reservoir Niagara-on-the-Lake	2,000,000		1,500,000	Cap. levy	500,000		500,000
W86-1	Montrose Road Water Main, Gallinger to Thorold Stone Road, Niagara Falls	270,000		270,000	Cap. levy			
W86-2	Phase I, Construction of Lincoln Street to Durham Road Trunk Water Main Lincoln	230,000		230,000	Cap. levy			
	TOTAL	2,500,000		2,000,000		500,000		500,000

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THE REGIONAL MUNICIPALITY OF NIAGARA

1983 CAPITAL BUDGET

MUNICIPALITY: Regional Niagara
DEPARTMENT: Public Works
PROGRAM: Water

PROJECT YEAR: 1987

PROJECT NUMBER	DESCRIPTION & LOCATION	GROSS EXPENDITURE	REVENUE			DEBENTURES	PRIOR APPROVALS	O. M. B. APPROVAL REQUIRED
			TAX LEVY OR USER CHARGE	SUBSIDY & CONTRIBUTIONS				
				AMOUNT	SOURCE			
WR6-2	Phase II. Construction of Lincoln Street to Durham Road Trunk Water Main Lincoln	375.000		375.000	Cap. levy			
WR7-1	Engineering For Booster Pumping Station Site Lincoln	30.000		30.000	Cap. levy			
WR7-2	Water Main Along CNR Right of Way - Durham to Baker Lincoln	610.000		610.000	Cap. levy			
WR7-3	Water Main - NS&T. Drummond to Victoria. Engineering and Niagara Falls	1.300.000		1.300.000	Cap. levy			
WR7-4	General Energy Efficiency Expenditures	185,000		185,000	Cap. levy			
	TOTAL	2,500,000		2,500,000				

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AREA MUNICIPALITIES

THE REGIONAL MUNICIPALITY OF NIAGARA

1983-1987 CAPITAL BUDGET FORECAST

1983-1987 PROJECTED DEBT CHARGES (000's)
AREA MUNICIPALITIES

Municipality	1983	1984	1985	1986	1987
Niagara Falls	$ 2,217	$ 2,561	$ 2,937	$ 3,109	$ 3,115
Port Colborne	1,309	1,309	1,209	1,207	1,193
St. Catharines	4,379	4,392	4,583	4,583	4,587
Thorold	217	403	389	385	368
Welland	2,115	2,237	2,428	2,412	2,445
Fort Erie	496	1,227	1,240	1,282	1,303
Grimsby	264	319	318	335	341
Lincoln	281	381	483	567	652
Niagara-on-the-Lake	184	179	280	388	541
Pelham	289	279	279	275	235
Wainfleet	23	39	50	57	40
West Lincoln	55	116	120	121	122
TOTALS	$11,829	$13,442	$14,316	$14,721	$14,942

THE REGIONAL MUNICIPALITY OF NIAGARA

1983-1987 CAPITAL BUDGET FORECAST

PROJECTION OF 1983-1987
DEBT RETIREMENT (000's)
AREA MUNICIPALITIES

	1983 $	1984 $	1985 $	1986 $	1987 $
Niagara Falls	997	1,220	1,402	1,566	1,610
Port Colborne	377	402	392	426	460
St. Catharines	1,565	1,649	1,712	1,828	1,943
Thorold	130	228	226	249	245
Welland	1,062	1,144	1,253	1,182	1,067
Fort Erie	261	237	233	261	273
Grimsby	110	132	130	145	152
Lincoln	43	82	127	171	221
Niagara-on-the-Lake	88	91	131	176	225
Pelham	114	117	125	133	105
Wainfleet	20	30	41	48	33
West Lincoln	25	42	47	53	56
TOTALS	4,792	5,374	5,819	6,238	6,390

EXISTING AND PROJECTED DEBENTURE DEBT
OF THE AREA MUNICIPALITIES (000's)

Municipality	Debt As At Dec. 31/82	Unfunded Debt	1983 Debt Retirement	1983 Program	Projected Debt At Dec. 31/83	Provincial Scheme Debt
Niagara Falls	$9,284	$4,520	$ 997	$2,985	$15,792	-
Port Colborne	7,078	532	377	410	7,643	-
St. Catharines	23,759	3,608	1,565	5,708	31,510	-
Thorold	921	516	130	200	1,507	-
Welland	8,718	1,377	1,062	1,294	10,327	-
Fort Erie	2,182	1,498	261	4,142 [1]	7,561	1,858
Grimsby	1,533	384	110	100	1,907	1,815
Lincoln	1,705	-	43	445	2,107	-
Niagara-on-the-Lake	1,060	772	88	500	2,244	321
Pelham	1,641	511	114	202	2,240	-
Wainfleet	31	140	20	89	240	-
West Lincoln	118	-	25	40	133	-
	$ 58,030	$ 13,858	$ 4,792	$ 16,115	$ 83,211	$ 3,994

1 Includes provision for re-financing of Provincial Scheme Debt.

Section 1

SUMMARY OF 1983-1987 CAPITAL EXPENDITURE REQUESTS

SUMMARY OF 1983 - 1987 CAPITAL
EXPENDITURE REQUESTS - AREA MUNICIPALITIES

Municipality	1983	1984	1985	1986	1987
Niagara Falls	$2,985,000	$1,910,000	$1,985,000	$2,110,000	$2,065,000
Port Colborne	410,350	250,000	250,000	250,000	250,000
St. Catharines	5,708,000	-	3,075,000	2,625,000	2,650,000
Thorold	200,000	100,000	-	100,000	-
Welland	1,294,250	1,090,000	1,525,000	1,660,000	880,000
Fort Erie	4,142,000	300,000	300,000	300,000	300,000
Grimsby	100,000	100,000	100,000	100,000	100,000
Lincoln	445,000	550,000	450,000	950,000	450,000
Niagara-on-the-Lake	499,700	618,000	883,000	530,500	660,000
Pelham	202,400	540,100	35,000	50,000	60,000
Wainfleet	89,000	125,000	30,000	30,000	30,000
West Lincoln	40,000	465,000	40,000	30,000	20,000
Total	$16,115,700	$ 6,048,100	$8,673,000	$8,735,500	$7,465,000

SECTION 2

DETAILS OF CAPITAL EXPENDITURE REQUESTS 1983-1987

THE REGIONAL MUNICIPALITY OF NIAGARA

DETAILS OF 1983 CAPITAL EXPENDITURE REQUESTS - AREA MUNICIPALITIES

Municipality	Roads	Local Improvements	Sanitary Sewers	Storm Sewers	Waterworks	Electricity	Fire	Municipal Drains	Industrial Park Development	Recreation & Community Services	Other	Total
Niagara Falls	$ 445,000	$ 85,000	$ 160,000	$ 530,000	$265,000	$1,500,000	$ -	$ -	$ -	$ -	$ -	$2,985,000
Port Colborne	-	-	69,000	106,000	-	-	-	75,000	160,350	-	-	410,350
St. Catharines	1,062,000	417,000	-	2,295,000	-	-	-	-	500,000	360,000	[1]1,074,000	5,708,000
Thorold	-	-	-	-	-	-	-	-	-	200,000	-	200,000
Welland	-	635,750	405,000	197,500	-	-	-	-	-	-	[2]56,000	1,294,250
Fort Erie	-	-	4,142,000	-	-	-	-	-	-	-	-	4,142,000
Grimsby	-	100,000	-	-	-	-	-	-	-	-	-	100,000
Lincoln	-	50,000	130,000	210,000	-	55,000	-	-	-	-	-	445,000
Niagara-on-the-Lake	-	-	175,000	22,000	74,700	-	-	102,000	100,000	-	[2]26,000	499,700
Pelham	-	-	-	153,700	48,700	-	-	-	-	-	-	202,400
Wainfleet	-	-	-	-	-	-	40,000	30,000	-	-	[3]19,000	89,000
West Lincoln	-	-	-	-	-	-	20,000	20,000	-	-	-	40,000
Totals	$1,507,000	$1,287,750	$5,081,000	$3,514,200	$388,400	$1,555,000	$60,000	$227,000	$760,350	$560,000	$1,175,000	$16,115,700

1 Cemetery Development - $324,000
Watercourse Improvements - $250,000
Shoreline Protection - $500,000

2 Library

3 Waste Disposal

THE REGIONAL MUNICIPALITY OF NIAGARA

DETAILS OF 1984 CAPITAL EXPENDITURE REQUESTS - AREA MUNICIPALITIES

Municipality	Roads	Local Improvements	Sanitary Sewers	Storm Sewers	Waterworks	Fire	Municipal Drains	Industrial Park Development	Library	Total
Niagara Falls	$ 480,000	$ 150,000	$ 260,000	$ 810,000	$210,000	$ -	$ -	$ -	$ -	$1,910,000
Port Colborne	-	-	100,000	75,000	-	-	75,000	-	-	250,000
St. Catharines	-	-	-	-	-	-	-	-	-	-
Thorold	-	-	-	-	-	100,000	-	-	-	100,000
Welland	-	460,000	250,000	240,000	140,000	-	-	-	-	1,090,000
Fort Erie	-	-	-	-	300,000	-	-	-	-	300,000
Grimsby	-	100,000	-	-	-	-	-	-	-	100,000
Lincoln	-	50,000	150,000	200,000	150,000	-	-	-	-	550,000
Niag.-on-the-Lake	-	-	200,000	50,000	190,000	-	53,000	125,000	-	618,000
Pelham	-	-	-	60,000	75,000	-	-	-	405,100	540,100
Wainfleet	-	-	-	-	-	95,000	30,000	-	-	125,000
West Lincoln	-	-	250,000	35,000	150,000	20,000	10,000	-	-	465,000
Totals	$ 480,000	$ 760,000	$1,210,000	$1,470,000	$1,215,000	$ 215,000	$ 168,000	$ 125,000	$ 405,100	$6,048,100

THE REGIONAL MUNICIPALITY OF NIAGARA

DETAILS OF 1985 CAPITAL EXPENDITURE REQUESTS - AREA MUNICIPALITIES

Municipality	Roads	Local Improvements	Sanitary Sewers	Storm Sewers	Waterworks	Electricity	Fire	Municipal Drains	Industrial Park Development	Recreation & Community Services	Other	Total
Niagara Falls	$ 600,000	$ 150,000	$ 285,000	$ 770,000	$ 180,000	$ -	$ -	$ -	$ -	$ -	$ -	$1,985,000
Port Colborne	-	25,000	100,000	75,000	-	-	-	50,000	-	-	-	250,000
St. Catharines	325,000	500,000	-	800,000	-	-	-	-	500,000	500,000	[1]450,000	3,075,000
Thorold	-	-	-	-	-	-	-	-	-	-	-	-
Welland	-	485,000	420,000	180,000	240,000	200,000	-	-	-	-	-	1,525,000
Fort Erie	-	-	-	-	300,000	-	-	-	-	-	-	300,000
Grimsby	-	100,000	-	-	-	-	-	-		-	-	100,000
Lincoln	-	50,000	150,000	100,000	150,000	-	-	-	-	-	-	450,000
Niag.-on-the-Lake	-	-	440,000	60,000	205,000	-	-	53,000	125,000	-	-	883,000
Pelham	-	-	-	35,000	-	-	-	-	-	-	-	35,000
Wainfleet	-	-	-	-	-	-	-	30,000	-	-	-	30,000
West Lincoln	-	-	-	20,000	-	-	10,000	10,000	-	-	-	40,000
	$ 925,000	$1,310,000	$1,395,000	$2,040,000	$1,075,000	$ 200,000	$ 10,000	$ 143,000	$ 625,000	$ 500,000	$ 450,000	$8,673,000

[1] Watercourse Improvements - $200,000
Shoreline Protection - $250,000

THE REGIONAL MUNICIPALITY OF NIAGARA

DETAILS OF 1986 CAPITAL EXPENDITURE REQUESTS - AREA MUNICIPALITIES

Municipality	Roads	Local Improvements	Sanitary Sewers	Storm Sewers	Waterworks	Electricity	Fire	Municipal Drains	Recreation & Community Services	Industrial Park Development	Other	Total
Niagara Falls	$ 520,000	$ 150,000	$ 240,000	$1,000,000	$ 200,000	$ -	$ -	$ -	$ -	$ -	$ -	$2,110,000
Port Colborne	-	25,000	100,000	75,000	-	-	-	50,000	-	-	-	250,000
St. Catharines	350,000	500,000	-	800,000	-	-	-	-	525,000	-	[1]450,000	2,625,000
Thorold	-	-	-	-	-	-	100,000	-	-	-	-	100,000
Welland	-	350,000	385,000	165,000	60,000	200,000	500,000	-	-	-	-	1,660,000
Fort Erie	-	-	-	-	300,000	-	-	-	-	-	-	300,000
Grimsby	-	100,000	-	-	-	-	-	-	-	-	-	100,000
Lincoln	-	50,000	150,000	100,000	150,000	-	-	-	-	-	[2]500,000	950,000
Niag.-on-the-Lake	-	-	200,000	60,000	92,500	-	-	53,000	-	125,000	-	530,500
Pelham	-	-	-	50,000	-	-	-	-	-	-	-	50,000
Wainfleet	-	-	-	-	-	-	-	30,000	-	-	-	30,000
West Lincoln	-	-	-	10,000	-	-	10,000	10,000	-	-	-	30,000
Totals	$870,000	$1,175,000	$1,075,000	$2,260,000	$802,500	$200,000	$610,000	$143,000	$525,000	$125,000	$950,000	$8,735,500

1 Watercourse Improvements - $200,000
Shoreline Protection - $250,000

2 Garbage Contract

THE REGIONAL MUNICIPALITY OF NIAGARA

DETAILS OF 1987 CAPITAL EXPENDITURE REQUESTS - AREA MUNICIPALITIES

Municipality	Roads	Local Improvements	Sanitary Sewers	Storm Sewers	Waterworks	Electricity	Fire	Municipal Drains	Recreation & Community Services	Industrial Park Development	Other	Total
Niagara Falls	$ 520,000	$ 150,000	$ 325,000	$ 780,000	$ 290,000	$ -	$ -	$ -	$ -	$ -	$ -	$2,065,000
Port Colborne	-	25,000	100,000	75,000	-	-	-	50,000	-	-	-	250,000
St. Catharines	350,000	500,000	-	800,000	-	-	-	-	550,000	-	[1]450,000	2,650,000
Thorold	-	-	-	-	-	-	-	-	-	-	-	-
Welland	-	370,000	260,000	-	50,000	200,000	-	-	-	-	-	880,000
Fort Erie	-	-	-	-	300,000	-	-	-	-	-	-	300,000
Grimsby	-	100,000	-	-	-	-	-	-	-	-	-	100,000
Lincoln	-	50,000	150,000	100,000	150,000	-	-	-	-	-	-	450,000
Niag.-on-the-Lake	-	-	330,000	108,000	30,000	-	-	67,000	-	125,000	-	660,000
Pelham	-	-	-	60,000	-	-	-	-	-	-	-	60,000
Wainfleet	-	-	-	-	-	-	-	30,000	-	-	-	30,000
West Lincoln	-	-	-	-	-	-	10,000	10,000	-	-	-	20,000
Totals	$870,000	$1,195,000	$1,165,000	$1,923,000	$820,000	$200,000	$10,000	$157,000	$550,000	$125,000	$450,000	$7,465,000

1 Watercourse Improvements - $200,000
Shoreline Protection - $250,000

POOR

QUALITY

ORIGINAL